# Base Load Power Hub (BLPH)

PCS and Safety System IO List (HW and SW)

Document Number: 1724000594-IN-LIS-00004

Supplier Document Number: E366772C00-IO

Document Class: 2

| Rev. | Date | Description | Prepared | Reviewed | Approved |
|---|---|---|---|---|---|
| 05 | 10/10/2025 | As Built (ASB) | AG | AB | SC |
| 04 | 04/02/2025 | Accepted for Construction (AFC) | SKR | MP/VA/AB | SC |
| 03 | 05/09/2024 | Accepted for Construction (AFC) | SKR | MP/VA/AB | SC |
| 02 | 03/09/2024 | Issue for Review (IFR) | SKR | MP/VA/AB | SC |
| 01 | 24/06/2024 | Issue for Review (IFR) | SKR | MP/VA/AB | SC |
| 00 | 16/05/2024 | Issue for Review (IFR) | SKR | MP/VA/AB | SC |

YOKOGAWA Co-innovating tomorrow™

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## Table of Contents


| SH. | DESCRIPTION | REVISIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 00 | 01 | 02 | 03 | 04 | 05 | | |
| 1 | Cover | X | X | X | X | X | X | | |
| 2 | Table of Contents | X | X | X | X | X | X | | |
| 3 | Revision / Change Log | X | X | X | X | X | X | | |
| 4 | Notes | X | X | X | X | X | X | | |
| 5 | FRONT LOADING FOR PCS | | | X | X | X | X | | |
| 6 | FRONT LOADING FOR SIS | | | X | X | X | X | | |
| 7 | FRONT LOADING FOR FGS | | | X | X | X | X | | |
| 8 | PCS and Safety System IO List (HW and SW) - PCS | X | X | X | X | X | X | | |
| 12 | PCS and Safety System IO List (HW and SW) - SIS | X | X | X | X | X | X | | |
| 15 | PCS and Safety System IO List (HW and SW) - FGS | X | X | X | X | X | X | | |
| 21 | MAPPING LIST FOR INSTRUMENT AIR | | | X | X | X | X | | |
| 26 | MAPPING LIST FOR NITROGEN GENERATION PACKAGE | | | X | X | X | X | | |
| 32 | MAPPING LIST LV SWITCHGEAR (MODBUS) | | | | X | X | X | | |
| 42 | MAPPING LIST HVAC CONTROL PANEL | | | | X | X | X | | |
| 48 | MAPPING LIST UPS AC PAS (MODBUS) | | | | X | X | X | | |
| 50 | MAPPING LIST UPS AC FGS (MODBUS) | | | | X | X | X | | |
| 52 | MAPPLING LIST UPS DC (MODBUS) | | | | X | X | X | | |
| 59 | MAPPING LIST CI SERVER | | | | | X | X | | |
| 60 | MAPPING LIST WATER TREATMENT PACKAGE | | | | | X | X | | |
| 63 | MAPPING LIST EMCS | | | | | X | X | | |
| | | | | | | | | | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## Revision / Change Log

| Rev. | Description |
|---|---|
| 00 | ISSUE FOR REVIEW (IFR) |
| 01 | ISSUE FOR REVIEW (IFR) |
| 02 | ISSUE FOR REVIEW (IFR) |
| 03 | ACCEPTED FOR CONSTRUCTION (AFC) |
| 04 | ACCEPTED FOR CONSTRUCTION (AFC) |
| 05 | AS BUILT (ASB) |
| | |
| | |
| | |

## HOLDS LIST

| No. | Description |
|---|---|
| 1 | - |
| 2 | - |
| 3 | - |
| 4 | - |
| 5 | - |
| 6 | - |
| 7 | - |
| 8 | - |
| 9 | - |

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

Project Reference Documents

| Doc. No. | Description |
|---|---|
| K559-2254-IC-SPE-001 | System specification for Main Automation Contractor |
| K559-2254-IC-PHI-001 | Control System Philosophy |
| 123A90-DDL-IN-LIS-40089 | 123A90-DDL-IN-LIS-40089_Rev02 |
| 1724000594-IN-LIS-00005 | EMCS IO List (HW and SW) |

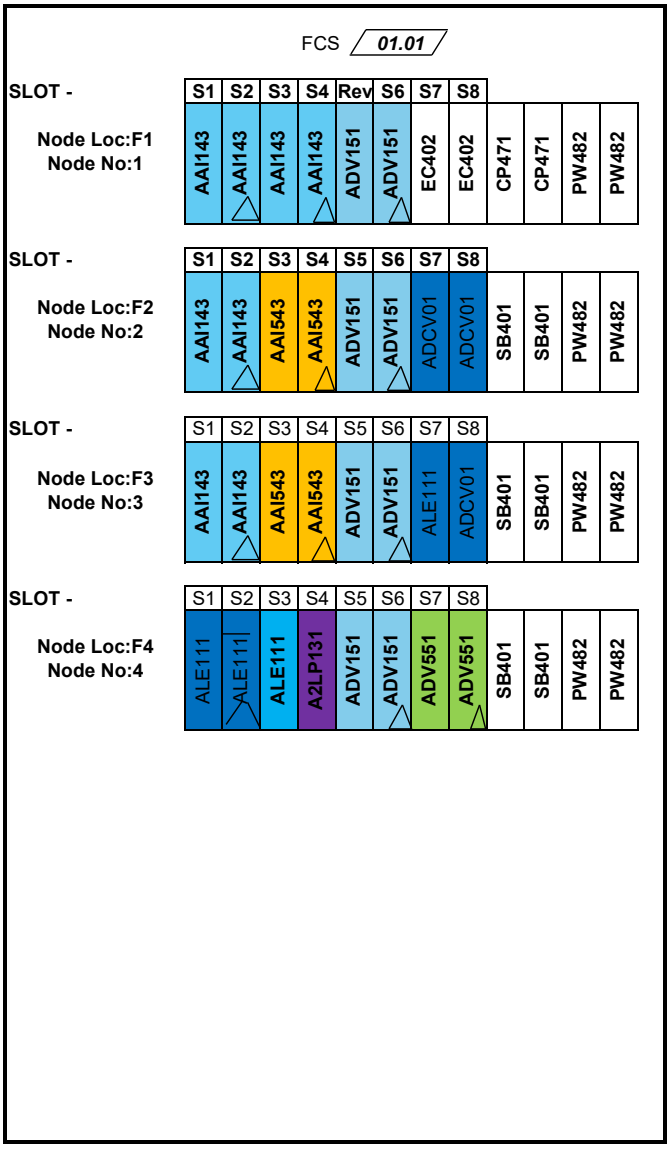
NOTES:

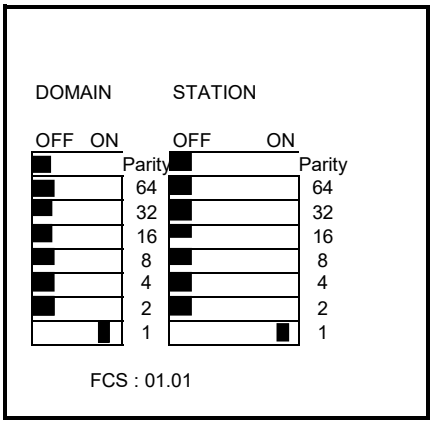
The following are the design basis and IO configuration philosophy for this project.

1. This "IO liST- PCS/SIS/FGS" document is prepared based on the design inputs any change in design input documents will be reflected and updated in next revision accordingly.
2. All IO signals are assigned to redundant IO Modules
3. 20% installed wired spare is considered for each IO types.
4. For all Analog Input Signals, 2W/4W Configuration will be done in software
5. All Analog inputs are considered as 2-wire HART compatible signals.
6. All IS Analog signals related to F&G shall be interfaced through IS barrier to the system
7. Digital inputs from field / other systems shall be dry contacts. The ProSafe-RS digital input module will supply the voltage (24V DC) for contact interrogation.
8. All field Digital output signals are driven directly from IO modules without any relays, considering load current is less than 0.6A (Prosafe RS) and 100mA (Centum VP).
9. All FVC-24Vdc DO signals will be hardwired via SIL3 capable safety interposing relays.
10. I/O's of Voting/Parallel equipment are assigned in different module.
11. Yokogawa has considered 1 no. of DI signal in Prosafe RS for configuring Programmable Enable key switch to control SCS Security Level. Programming Enable Key (SCS Hardware Key) for each Controller will be internally wired to its FIO Cabinet.
12. PCS/SIS/FGS Cabinet alarm shall be wired to PCS Marshalling cabinet as Digital Input and Wired spares are not provided for cabinet alarm signals.
13. Yokogawa has considered DI signals to generate cabinet alarms as per below details.
    i). 3 No's of Cabinet Alarm's (TEMPERATURE /FAN FAIL ALARM, PSU FAIL ALARM, and Digital TB Alarm) are considered for each System/Marshalling cabinets.
    ii). 1 No's of Network Cabinet cumulative alarm from switches are considered for each ITER Network cabinet.
14. Cabinet Alarm signals are wired internally to the PCS Marshalling Cabinet through interconnection Cable.
15. Wired Spare tag naming philosophy is followed as- WS<Controller domain & station
16. Third Party communication mapped tag list shall be updated based on updated by Package Vendor.

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

## PCS FRONT LOADING




LEGENDS

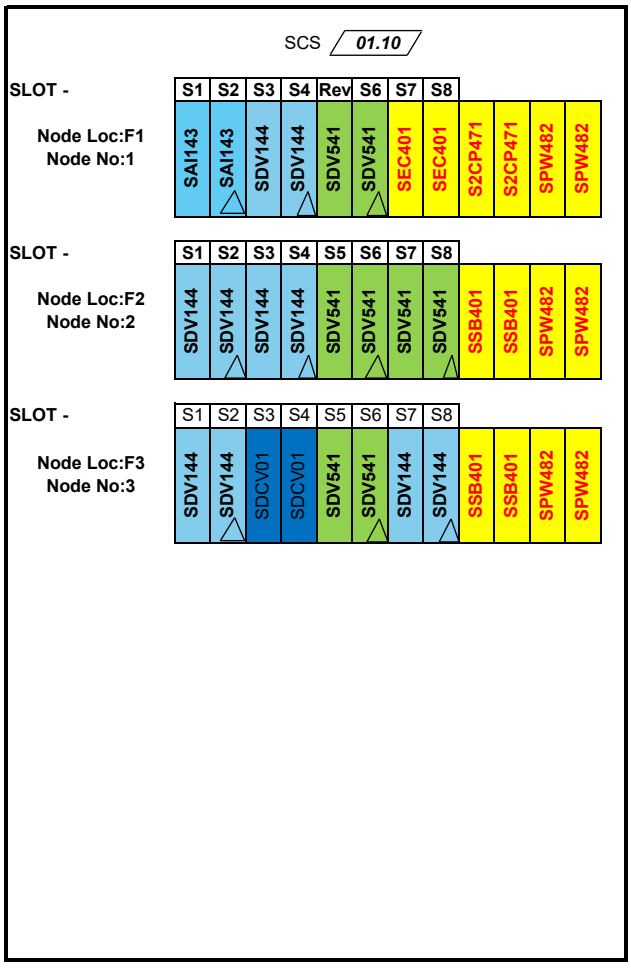
| | | |
|---|---|---|
| XX.X› | : | DOMAIN & STATION NUMBER |
| XXXX | : | COMPONENT NUMBER |
| FCU | : | FIELD CONTROL UNIT |
| NIU | : | NODE INTERFACE UNIT |
| △ | : | REDUNDANCY |
| △ XX | : | REVISION |
| FCS | : | FIELD CONTROL STATION |
| I/O | : | INPUT/OUTPUT |
| DCS | : | DISTRIBUTED CONTROL SYSTEM |
| HART | : | HIGHWAY ADDRESSABLE REMOTE TRANSDUCER |

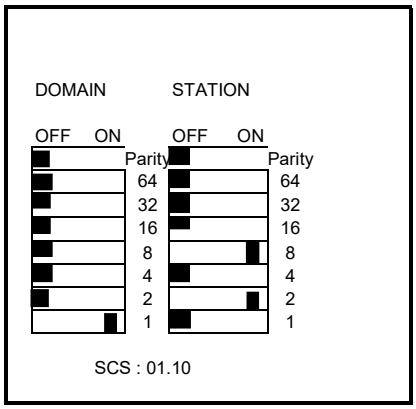




This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## SIS FRONT LOADING




COLOR CODE FOR MODULES

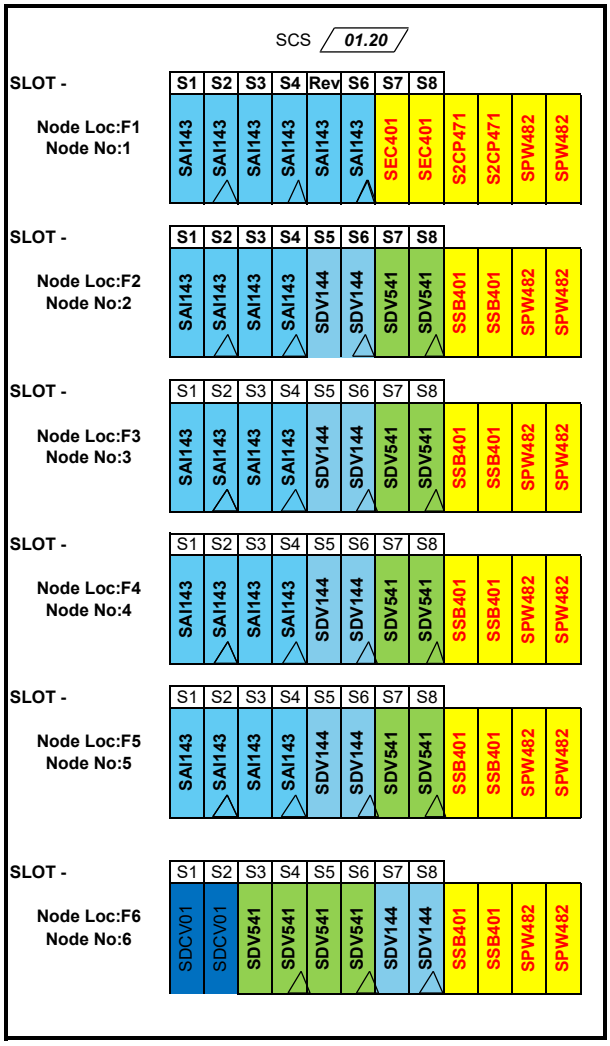
- SAI143
- SDV144
- SDV541
- SDCV01

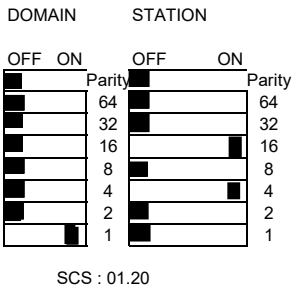
LEGENDS

| | | |
|---|---|---|
| XX.XX | : | DOMAIN & STATION NUMBER |
| XXXX | : | COMPONENT NUMBER |
| FCU | : | FIELD CONTROL UNIT |
| NIU | : | NODE INTERFACE UNIT |
| △ | : | REDUNDANCY |
| △ XX | : | REVISION |
| SCS | : | SAFETY CONTROL STATION |
| I/O | : | INPUT/OUTPUT |
| SIS | : | Safety Instrumented System |
| HART | : | HIGHWAY ADDRESSABLE REMOTE TRANSDUCER |


This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## FGS FRONT LOADING




COLOR CODE FOR MODULES

| | |
|---|---|
| SAI143 | |
| SDV144 | |
| SDV541 | |
| SDCV01 | |

LEGENDS

| | | |
|---|---|---|
| XX.XX | : | DOMAIN & STATION NUMBER |
| XXXX | : | COMPONENT NUMBER |
| FCU | : | FIELD CONTROL UNIT |
| NIU | : | NODE INTERFACE UNIT |
| △ | : | REDUNDANCY |
| △ XX | : | REVISION |
| SCS | : | SAFETY CONTROL STATION |
| I/O | : | INPUT/OUTPUT |
| FGS | : | FIRE AND GAS SYSTEM |
| HART | : | HIGHWAY ADDRESSABLE REMOTE TRANSDUCER |

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## PCS

| S.No | TAG_NAME | LOOP_NAME | HMI TAG_NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | PSD Level | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25-PT-035 | 25-PT-035 | 25PI-035 | Pressure Tx | Vessel V-25001A pressure control | V-25001A PR | CNTRL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | AI | 4-20 mA |
| 2 | 25-PT-037 | 25-PT-037 | 25PI-037 | Pressure Tx | Vessel V-25001B pressure control | V-25001B PR | CNTRL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | AI | 4-20 mA |
| 3 | 25-PT-040 | 25-PT-040 | 25PI-040 | Pressure Tx | Vessel V-25001C pressure control | V-25001C PR | CNTRL | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | AI | 4-20 mA |
| 4 | 25-PT-043 | 25-PT-043 | 25PI-043 | Pressure Tx | Vessel V-25001D pressure control | V-25001D PR | CNTRL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | AI | 4-20 mA |
| 5 | 25-PT-046 | 25-PT-046 | 25PI-046 | Pressure Tx | Vessel V-25001E pressure control | V-25001E PR | CNTRL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | AI | 4-20 mA |
| 6 | 25-PT-049 | 25-PT-049 | 25PI-049 | Pressure Tx | Vessel V-25001F pressure control | V-25001F PR | CNTRL | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | AI | 4-20 mA |
| 7 | 43-FT-001 | 43-FT-001 | 43FI-001 | Flow Tx (ULTRASONIC) | Hydrogen form KO DRUM V-43001 to vent stack Q-43004 | H2 KO DRUM | V-43001 FLW | 123A90-DDL-PR-PID-80029 | - | L | Field | - | PCS | AI | 4-20 mA |
| 8 | 25-ZT-035 | 25-ZT-035 | 25ZI-035 | Position Tx | Vessel V-25001A pressure control | V-25001A POS | FB | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | AI | 4-20 mA |
| 9 | 25-ZT-037 | 25-ZT-037 | 25ZI-037 | Position Tx | Vessel V-25001B pressure control | V-25001B POS | FB | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | AI | 4-20 mA |
| 10 | 25-ZT-040 | 25-ZT-040 | 25ZI-040 | Position Tx | Vessel V-25001C pressure control | V-25001C POS | FB | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | AI | 4-20 mA |
| 11 | 25-ZT-043 | 25-ZT-043 | 25ZI-043 | Position Tx | Vessel V-25001D pressure control | V-25001D POS | FB | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | AI | 4-20 mA |
| 12 | 25-ZT-046 | 25-ZT-046 | 25ZI-046 | Position Tx | Vessel V-25001E pressure control | V-25001E POS | FB | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | AI | 4-20 mA |
| 13 | 25-ZT-049 | 25-ZT-049 | 25ZI-049 | Position Tx | Vessel V-25001F pressure control | V-25001F POS | FB | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | AI | 4-20 mA |
| 14 | WS0101010114 | - | WS0101010114 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 15 | WS0101010115 | - | WS0101010115 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 16 | WS0101010116 | - | WS0101010116 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 17 | 25-FT-031 | 25-FT-031 | 25FI-031 | Flow Tx on V-Area Meter | Nitrogen to V-25001A vessel | N2 FLW FBTO | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | AI | 4-20 mA |
| 18 | 25-FT-032 | 25-FT-032 | 25FI-032 | Flow Tx on V-Area Meter | Nitrogen to V-25001B vessel | N2 POS FB TO | V-25001A | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | AI | 4-20 mA |
| 19 | 25-FT-033 | 25-FT-033 | 25FI-033 | Flow Tx on V-Area Meter | Nitrogen to V-25001C vessel | N2 FLW FBTO | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | AI | 4-20 mA |
| 20 | 25-FT-034 | 25-FT-034 | 25FI-034 | Flow Tx on V-Area Meter | Nitrogen to V-25001D vessel | N2 POS FB TO | V-25001C | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | AI | 4-20 mA |
| 21 | 25-FT-038 | 25-FT-038 | 25FI-038 | Flow Tx on V-Area Meter | Nitrogen to V-25001E vessel | N2 FLW FBTO | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | AI | 4-20 mA |
| 22 | 25-FT-036 | 25-FT-036 | 25FI-036 | Flow Tx on V-Area Meter | Nitrogen to V-25001F vessel | N2 FLW FBTO | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | AI | 4-20 mA |
| 23 | 25-ZT-031 | 25-ZT-031 | 25ZI-031 | Position Tx | Nitrogen to V-25001A vessel | N2 POS FB TO | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | AI | 4-20 mA |
| 24 | 25-ZT-032 | 25-ZT-032 | 25ZI-032 | Position Tx | Nitrogen to V-25001B vessel | N2 POS FB TO | V-25001B | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | AI | 4-20 mA |
| 25 | 25-ZT-033 | 25-ZT-033 | 25ZI-033 | Position Tx | Nitrogen to V-25001C vessel | N2 POS FB TO | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | AI | 4-20 mA |
| 26 | 25-ZT-034 | 25-ZT-034 | 25ZI-034 | Position Tx | Nitrogen to V-25001D vessel | N2 POS FB TO | V-25001D | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | AI | 4-20 mA |
| 27 | 25-ZT-036 | 25-ZT-036 | 25ZI-036 | Position Tx | Nitrogen to V-25001F vessel | N2 POS FB TO | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | AI | 4-20 mA |
| 28 | 25-ZT-038 | 25-ZT-038 | 25ZI-038 | Position Tx | Nitrogen to V-25001E vessel | N2 POS FB TO | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | AI | 4-20 mA |
| 29 | 25-PT-001 | 25-PT-001 | 25PI-001 | Pressure Tx | Hyrogen to vessels inlet header | H2 IL HDR PR | TO VESSEL | 123A90-DDL-PR-PID-80013 | - | L | Field | - | PCS | AI | 4-20 mA |
| 30 | WS0101010314 | - | WS0101010314 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 31 | WS0110010315 | - | WS0110010315 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 32 | WS0101010316 | - | WS0101010316 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 33 | 25-ZSL-006 | 25-X-006 | 25ZSL-006 | Limit Switch | Vessel V-25001A Hydrogen outlet | H2 OL LS CLS | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 34 | 25-ZSH-006 | 25-X-006 | 25ZSH-006 | Limit Switch | Vessel V-25001A Hydrogen outlet | H2 OL LS OPN | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 35 | 25-ZSL-009 | 25-X-009 | 25ZSL-009 | Limit Switch | Vessel V-25001B Hydrogen outlet | V-25001B LS | CLS PR CTRL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 36 | 25-ZSH-009 | 25-X-009 | 25ZSH-009 | Limit Switch | Vessel V-25001B Hydrogen outlet | V-25001B LS | OPN PR CTRL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 37 | 25-ZSL-012 | 25-X-012 | 25ZSL-012 | Limit Switch | Vessel V-25001C Hydrogen outlet | H2 OL LS CLS | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 38 | 25-ZSH-012 | 25-X-012 | 25ZSH-012 | Limit Switch | Vessel V-25001C Hydrogen outlet | H2 OL LS OPN | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 39 | 25-ZSL-015 | 25-X-015 | 25ZSL-015 | Limit Switch | Vessel V-25001D Hydrogen outlet | H2 OL LS CLS | V-25001D | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 40 | 25-ZSH-015 | 25-X-015 | 25ZSH-015 | Limit Switch | Vessel V-25001D Hydrogen outlet | H2 OL LS OPN | V-25001D | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 41 | 25-ZSL-018 | 25-X-018 | 25ZSL-018 | Limit Switch | Vessel V-25001E Hydrogen outlet | V-25001E LS | CLS PR CTRL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 42 | 25-ZSH-018 | 25-X-018 | 25ZSH-018 | Limit Switch | Vessel V-25001E Hydrogen outlet | V-25001E LS | OPN PR CTRL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 43 | 25-ZSL-021 | 25-X-021 | 25ZSL-021 | Limit Switch | Vessel V-25001F Hydrogen outlet | H2 OL LS CLS | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 44 | 25-ZSH-021 | 25-X-021 | 25ZSH-021 | Limit Switch | Vessel V-25001F Hydrogen outlet | H2 OL LS OPN | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 45 | 25-ZSL-046 | 25-P-046 | 25ZSL-046 | Limit Switch | Vessel V-25001E pressure control | V-25001E LS | CLS PR CTRL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 46 | 25-ZSH-046 | 25-P-046 | 25ZSH-046 | Limit Switch | Vessel V-25001E pressure control | V-25001E LS | OPN PR CTRL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 47 | 25-ZSL-049 | 25-P-049 | 25ZSL-049 | Limit Switch | Vessel V-25001F pressure control | V-25001F LS | CLS PR CTRL | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 48 | 25-ZSH-049 | 25-P-049 | 25ZSH-049 | Limit Switch | Vessel V-25001F pressure control | V-25001F LS | OPN PR CTRL | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 49 | 25-ZSL-040 | 25-P-040 | 25ZSL-040 | Limit Switch | Vessel V-25001C pressure control | V-25001C LS | CLS PR CTRL | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 50 | 25-ZSH-040 | 25-P-040 | 25ZSH-040 | Limit Switch | Vessel V-25001C pressure control | V-25001C LS | OPN PR CTRL | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 51 | 25-ZSL-043 | 25-P-043 | 25ZSL-043 | Limit Switch | Vessel V-25001D pressure control | V-25001D LS | CLS PR CTRL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 52 | 25-ZSH-043 | 25-P-043 | 25ZSH-043 | Limit Switch | Vessel V-25001D pressure control | V-25001D LS | OPN PR CTRL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 53 | 25-ZSL-035 | 25-P-035 | 25ZSL-035 | Limit Switch | Vessel V-25001A pressure control | V-25001A LS | CLS PR CTRL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 54 | 25-ZSH-035 | 25-P-035 | 25ZSH-035 | Limit Switch | Vessel V-25001A pressure control | V-25001A LS | OPN PR CTRL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 55 | 25-ZSL-037 | 25-P-037 | 25ZSL-037 | Limit Switch | Vessel V-25001B pressure control | V-25001B LS | CLS PR CTRL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 56 | 25-ZSH-037 | 25-P-037 | 25ZSH-037 | Limit Switch | Vessel V-25001B pressure control | V-25001B LS | OPN PR CTRL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 57 | WS0101010525 | - | WS0101010525 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 58 | WS0101010526 | - | WS0101010526 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 59 | WS0101010527 | - | WS0101010527 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 60 | WS0101010528 | - | WS0101010528 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 61 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 62 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 63 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 64 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 65 | 25-PT-055A | 25-P-055A | 25PI-055A | Pressure Tx | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | AI | 4-20 mA |
| 66 | 25-ZT-055A | 25-P-055A | 25ZI-055A | Position Tx | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | POS FB | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | AI | 4-20 mA |
| 67 | 43-PT-001 | 43-P-001 | 43PI-001 | Pressure Tx | KO DRUM V-43001 pressure | KO DRUM PR | V-43001 | 123A90-DDL-PR-PID-80029 | - | L | Field | - | PCS | AI | 4-20 mA |
| 68 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 69 | 43-LT-003 | 43-L-003 | 43LI-003 | Level Tx (Dp Type) | H2 vent Q-43004 low level | H2 VENT LVL | LO Q-43004 | 123A90-DDL-PR-PID-80029 | - | L | Field | - | PCS | AI | 4-20 mA |
| 70 | 64-PT-031A | 64-P-031A | 64PI-031A | Pressure Tx | Nitrogen pressure control to distribution header | N2 PR CNTRL | TO DISTB HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AI | 4-20 mA |
| 71 | 64-ZT-031A | 64-P-031A | 64ZI-031A | Position Tx | Nitrogen pressure control to distribution header | H2 OL HDR PR | POS FB | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AI | 4-20 mA |
| 72 | WS0101020108 | - | WS0101020108 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 73 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 74 | WS0101020110 | - | WS0101020110 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 75 | WS0101020111 | - | WS0101020111 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 76 | WS0101020112 | - | WS0101020112 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 77 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 78 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 79 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 80 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 81 | 25-PY-055A | 25-P-055A | 25PY-055A | Electropositioner | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | CNTRL CMD | 123A90-DDL-PR-PID-80014 | - | - | Field | - | PCS | AO | 4-20 mA |
| 82 | 64-PY-031A | 64-P-031A | 64PY-031A | Electropositioner | Nitrogen pressure control to distribution header | H2 OL HDR PR | CNTRL CMD | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AO | 4-20 mA |
| 83 | 25-PY-035 | 25-P-035 | 25PY-035 | Electropositioner | Vessel V-25001A pressure control | V-25001A PR | CNTRL CMD | 123A90-DDL-PR-PID-80015 | - | - | Field | - | PCS | AO | 4-20 mA |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 2 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 3 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 4 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 5 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 6 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 7 | Hold-4 | NIS | - | Hold-6 | Hold-7 | Hold-7 | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 8 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 9 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 10 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 11 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 12 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |
| 13 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 14 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 15 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 16 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 17 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 18 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 19 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 20 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 21 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 22 | Hold-4 | NIS | - | Hold-6 | 6.2 | 62 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 23 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 24 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 25 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 26 | zz | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |
| 27 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 28 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 29 | Hold-4 | NIS | - | barg | 0 | 40 | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 30 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 31 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 32 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 33 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 34 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 35 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 36 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 37 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 38 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 39 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | CLOSED | N_CLOSED |
| 40 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | OPENED | N_OPENED |
| 41 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | CLOSED | N_CLOSED |
| 42 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | OPENED | N_OPENED |
| 43 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 44 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 45 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 46 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 47 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 48 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 49 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | CLOSED | N_CLOSED |
| 50 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | OPENED | N_OPENED |
| 51 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | CLOSED | N_CLOSED |
| 52 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | OPENED | N_OPENED |
| 53 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 54 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 55 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 56 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 57 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 58 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 59 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 60 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12001 | 00-JE-12001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 61 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | ON | OFF |
| 62 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12002 | 00-JE-12002 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | ON | OFF |
| 63 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 64 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 65 | Hold-4 | NIS | - | barg | 0 | 10 | - | 3 | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 66 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 67 | Hold-4 | NIS | - | barg | 0 | 3.5 | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |
| 68 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 69 | Hold-4 | NIS | - | mmH2O | 0 | HOLD | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 70 | Hold-4 | NIS | - | barg | 0 | 10 | - | 6 | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 71 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 72 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 73 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 74 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 75 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | | |
| 76 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 77 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 78 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 79 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 80 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 81 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 82 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |
| 83 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FCS0101 | 01 | 01 | 01 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 01A | 01B | TB-00-JE-11001 | 1 | 2 | - | - | - | 02 | |
| 2 | FCS0101 | 01 | 01 | 02 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 02A | 02B | TB-00-JE-11001 | 3 | 4 | - | - | - | 02 | |
| 3 | FCS0101 | 01 | 01 | 03 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 03A | 03B | TB-00-JE-11001 | 5 | 6 | - | - | - | 02 | |
| 4 | FCS0101 | 01 | 01 | 04 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 04A | 04B | TB-00-JE-11001 | 7 | 8 | - | - | - | 02 | |
| 5 | FCS0101 | 01 | 01 | 05 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 05A | 05B | TB-00-JE-11001 | 9 | 10 | - | - | - | 02 | |
| 6 | FCS0101 | 01 | 01 | 06 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 06A | 06B | TB-00-JE-11001 | 11 | 12 | - | - | - | 02 | |
| 7 | FCS0101 | 01 | 01 | 07 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 07A | 07B | TB-00-JE-11002 | 17 | 18 | - | - | - | 02 | |
| 8 | FCS0101 | 01 | 01 | 08 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 08A | 08B | TB-00-JE-11001 | 21 | 22 | - | - | - | 02 | |
| 9 | FCS0101 | 01 | 01 | 09 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 09A | 09B | TB-00-JE-11001 | 23 | 24 | - | - | - | 02 | |
| 10 | FCS0101 | 01 | 01 | 10 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 10A | 10B | TB-00-JE-11001 | 13 | 14 | - | - | - | 02 | |
| 11 | FCS0101 | 01 | 01 | 11 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 11A | 11B | TB-00-JE-11001 | 15 | 16 | - | - | - | 02 | |
| 12 | FCS0101 | 01 | 01 | 12 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 12A | 12B | TB-00-JE-11001 | 17 | 18 | - | - | - | 02 | |
| 13 | FCS0101 | 01 | 01 | 13 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 13A | 13B | TB-00-JE-11001 | 19 | 20 | - | - | - | 02 | |
| 14 | FCS0101 | 01 | 01 | 14 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 14A | 14B | TB-00-JE-11001 | 29 | 30 | - | - | - | 02 | |
| 15 | FCS0101 | 01 | 01 | 15 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 15A | 15B | TB-00-JE-11001 | 31 | 32 | - | - | - | 02 | |
| 16 | FCS0101 | 01 | 01 | 16 | B400-PCS-001 | TB-01-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 16A | 16B | TB-00-JE-11001 | 33 | 34 | - | - | - | 02 | |
| 17 | FCS0101 | 01 | 03 | 01 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 01A | 01B | TB-00-JE-11003 | 1 | 2 | - | - | - | 02 | |
| 18 | FCS0101 | 01 | 03 | 02 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 02A | 02B | TB-00-JE-11003 | 3 | 4 | - | - | - | 02 | |
| 19 | FCS0101 | 01 | 03 | 03 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 03A | 03B | TB-00-JE-11003 | 5 | 6 | - | - | - | 02 | |
| 20 | FCS0101 | 01 | 03 | 04 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 04A | 04B | TB-00-JE-11003 | 7 | 8 | - | - | - | 02 | |
| 21 | FCS0101 | 01 | 03 | 05 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 05A | 05B | TB-00-JE-11003 | 9 | 10 | - | - | - | 02 | |
| 22 | FCS0101 | 01 | 03 | 06 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 06A | 06B | TB-00-JE-11003 | 11 | 12 | - | - | - | 02 | |
| 23 | FCS0101 | 01 | 03 | 07 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 07A | 07B | TB-00-JE-11003 | 31 | 32 | - | - | - | 02 | |
| 24 | FCS0101 | 01 | 03 | 08 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 08A | 08B | TB-00-JE-11003 | 33 | 34 | - | - | - | 02 | |
| 25 | FCS0101 | 01 | 03 | 09 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 09A | 09B | TB-00-JE-11003 | 35 | 36 | - | - | - | 02 | |
| 26 | FCS0101 | 01 | 03 | 10 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 10A | 10B | TB-00-JE-11003 | 37 | 38 | - | - | - | 02 | |
| 27 | FCS0101 | 01 | 03 | 11 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 11A | 11B | TB-00-JE-11003 | 39 | 40 | - | - | - | 02 | |
| 28 | FCS0101 | 01 | 03 | 12 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 12A | 12B | TB-00-JE-11003 | 41 | 42 | - | - | - | 02 | |
| 29 | FCS0101 | 01 | 03 | 13 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 13A | 13B | TB-00-JE-11003 | 43 | 44 | - | - | - | 02 | |
| 30 | FCS0101 | 01 | 03 | 14 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 14A | 14B | TB-00-JE-11001 | 35 | 36 | - | - | - | 02 | |
| 31 | FCS0101 | 01 | 03 | 15 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 15A | 15B | TB-00-JE-11001 | 37 | 38 | - | - | - | 02 | |
| 32 | FCS0101 | 01 | 03 | 16 | B400-PCS-001 | TB-01-03 | A1BA4D-06 | AAI143 | B400-PCS-002 | 16A | 16B | TB-00-JE-11001 | 39 | 40 | - | - | - | 02 | |
| 33 | FCS0101 | 01 | 05 | 01 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 01A | 01B | TB-00-JE-12001 | 1 | 2 | - | - | - | 02 | |
| 34 | FCS0101 | 01 | 05 | 02 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 02A | 02B | TB-00-JE-12001 | 3 | 4 | - | - | - | 02 | |
| 35 | FCS0101 | 01 | 05 | 03 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 03A | 03B | TB-00-JE-12001 | 5 | 6 | - | - | - | 02 | |
| 36 | FCS0101 | 01 | 05 | 04 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 04A | 04B | TB-00-JE-12001 | 7 | 8 | - | - | - | 02 | |
| 37 | FCS0101 | 01 | 05 | 05 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 05A | 05B | TB-00-JE-12001 | 9 | 10 | - | - | - | 02 | |
| 38 | FCS0101 | 01 | 05 | 06 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 06A | 06B | TB-00-JE-12001 | 11 | 12 | - | - | - | 02 | |
| 39 | FCS0101 | 01 | 05 | 07 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 07A | 07B | TB-00-JE-12001 | 13 | 14 | - | - | - | 02 | |
| 40 | FCS0101 | 01 | 05 | 08 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 08A | 08B | TB-00-JE-12001 | 15 | 16 | - | - | - | 02 | |
| 41 | FCS0101 | 01 | 05 | 09 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 09A | 09B | TB-00-JE-12001 | 17 | 18 | - | - | - | 02 | |
| 42 | FCS0101 | 01 | 05 | 10 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 10A | 10B | TB-00-JE-12001 | 19 | 20 | - | - | - | 02 | |
| 43 | FCS0101 | 01 | 05 | 11 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 11A | 11B | TB-00-JE-12001 | 25 | 26 | - | - | - | 02 | |
| 44 | FCS0101 | 01 | 05 | 12 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 12A | 12B | TB-00-JE-12001 | 27 | 28 | - | - | - | 02 | |
| 45 | FCS0101 | 01 | 05 | 13 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 13A | 13B | TB-00-JE-12001 | 29 | 30 | - | - | - | 02 | |
| 46 | FCS0101 | 01 | 05 | 14 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 14A | 14B | TB-00-JE-12001 | 31 | 32 | - | - | - | 02 | |
| 47 | FCS0101 | 01 | 05 | 15 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 15A | 15B | TB-00-JE-12001 | 33 | 34 | - | - | - | 02 | |
| 48 | FCS0101 | 01 | 05 | 16 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 16A | 16B | TB-00-JE-12001 | 35 | 36 | - | - | - | 02 | |
| 49 | FCS0101 | 01 | 05 | 17 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 17A | 17B | TB-00-JE-12001 | 37 | 38 | - | - | - | 02 | |
| 50 | FCS0101 | 01 | 05 | 18 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 18A | 18B | TB-00-JE-12001 | 39 | 40 | - | - | - | 02 | |
| 51 | FCS0101 | 01 | 05 | 19 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 19A | 19B | TB-00-JE-12001 | 41 | 42 | - | - | - | 02 | |
| 52 | FCS0101 | 01 | 05 | 20 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 20A | 20B | TB-00-JE-12001 | 43 | 44 | - | - | - | 02 | |
| 53 | FCS0101 | 01 | 05 | 21 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 21A | 21B | TB-00-JE-12002 | 1 | 2 | - | - | - | 02 | |
| 54 | FCS0101 | 01 | 05 | 22 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 22A | 22B | TB-00-JE-12002 | 3 | 4 | - | - | - | 02 | |
| 55 | FCS0101 | 01 | 05 | 23 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 23A | 23B | TB-00-JE-12002 | 5 | 6 | - | - | - | 02 | |
| 56 | FCS0101 | 01 | 05 | 24 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 24A | 24B | TB-00-JE-12002 | 7 | 8 | - | - | - | 02 | |
| 57 | FCS0101 | 01 | 05 | 25 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 25A | 25B | TB-00-JE-12001 | 21 | 22 | - | - | - | 02 | |
| 58 | FCS0101 | 01 | 05 | 26 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 26A | 26B | TB-00-JE-12001 | 23 | 24 | - | - | - | 02 | |
| 59 | FCS0101 | 01 | 05 | 27 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 27A | 27B | TB-00-JE-12001 | 45 | 46 | - | - | - | 02 | |
| 60 | FCS0101 | 01 | 05 | 28 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 28A | 28B | TB-00-JE-12001 | 47 | 48 | - | - | - | 02 | |
| 61 | FCS0101 | 01 | 05 | 29 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 29A | 29B | TB-00-JE-12002 | 9 | 10 | - | - | - | 02 | |
| 62 | FCS0101 | 01 | 05 | 30 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 30A | 30B | TB-00-JE-12002 | 11 | 12 | - | - | - | 02 | |
| 63 | FCS0101 | 01 | 05 | 31 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 31A | 31B | | - | - | - | - | - | 02 | |
| 64 | FCS0101 | 01 | 05 | 32 | B400-PCS-001 | TB-01-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 32A | 32B | | - | - | - | - | - | 02 | |
| 65 | FCS0101 | 02 | 01 | 01 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 01A | 01B | TB-00-JE-11002 | 1 | 2 | - | - | - | 02 | |
| 66 | FCS0101 | 02 | 01 | 02 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 02A | 02B | TB-00-JE-11002 | 9 | 10 | - | - | - | 02 | |
| 67 | FCS0101 | 02 | 01 | 03 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 03A | 03B | TB-00-JE-11002 | 13 | 14 | - | - | - | 02 | |
| 68 | FCS0101 | 02 | 01 | 04 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 04A | 04B | TB-00-JE-11002 | 15 | 16 | - | - | - | 02 | |
| 69 | FCS0101 | 02 | 01 | 05 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 05A | 05B | TB-00-JE-11002 | 19 | 20 | - | - | - | 02 | |
| 70 | FCS0101 | 02 | 01 | 06 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 06A | 06B | TB-00-JE-11004 | 9 | 10 | - | - | - | 02 | |
| 71 | FCS0101 | 02 | 01 | 07 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 07A | 07B | TB-00-JE-11005 | 3 | 4 | - | - | - | 02 | |
| 72 | FCS0101 | 02 | 01 | 08 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 08A | 08B | TB-00-JE-11002 | 21 | 22 | - | - | - | 02 | |
| 73 | FCS0101 | 02 | 01 | 09 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 09A | 09B | TB-00-JE-11002 | 23 | 24 | - | - | - | 02 | |
| 74 | FCS0101 | 02 | 01 | 10 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 10A | 10B | TB-00-JE-11005 | 7 | 8 | - | - | - | 02 | |
| 75 | FCS0101 | 02 | 01 | 11 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 11A | 11B | TB-00-JE-11005 | 9 | 10 | - | - | - | 02 | |
| 76 | FCS0101 | 02 | 01 | 12 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 12A | 12B | TB-00-JE-11005 | 11 | 12 | - | - | - | 02 | |
| 77 | FCS0101 | 02 | 01 | 13 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 13A | 13B | | - | - | - | - | - | 02 | |
| 78 | FCS0101 | 02 | 01 | 14 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 14A | 14B | | - | - | - | - | - | 02 | |
| 79 | FCS0101 | 02 | 01 | 15 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 15A | 15B | | - | - | - | - | - | 02 | |
| 80 | FCS0101 | 02 | 01 | 16 | B400-PCS-001 | TB-02-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 16A | 16B | | - | - | - | - | - | 02 | |
| 81 | FCS0101 | 02 | 03 | 01 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 01A | 01B | TB-00-JE-11002 | 5 | 6 | - | - | - | 02 | |
| 82 | FCS0101 | 02 | 03 | 02 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 02A | 02B | TB-00-JE-11004 | 13 | 14 | - | - | - | 02 | |
| 83 | FCS0101 | 02 | 03 | 03 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 03A | 03B | TB-00-JE-11001 | 41 | 42 | - | - | - | 02 | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

CROSSWIND

Document Title: PCS and Safety System IO List (HW and SW)

HOLLANDSE KUST NOORD WIND PARK Project
Contract No. CW-I-WP4-2023-05

Issued for Construction

ROSETTI MARINO

Date: 10/10/2025
REV: 05

PCS

| S.No | TAG_NAME | LOOP_NAME | HMI TAG_NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | PSD Level | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 25-PY-037 | 25-P-037 | 25PY-037 | Electropositioner | Vessel V-25001B pressure control | V-25001B PR | CNTRL CMD | 123A90-DDL-PR-PID-80016 | - | - | Field | - | PCS | AO | 4-20 mA |
| 85 | 25-PY-040 | 25-P-040 | 25PY-040 | Electropositioner | Vessel V-25001C pressure control | V-25001C PR | CNTRL CMD | 123A90-DDL-PR-PID-80017 | - | - | Field | - | PCS | AO | 4-20 mA |
| 86 | 25-PY-043 | 25-P-043 | 25PY-043 | Electropositioner | Vessel V-25001D pressure control | V-25001D PR | CNTRL CMD | 123A90-DDL-PR-PID-80018 | - | - | Field | - | PCS | AO | 4-20 mA |
| 87 | 25-PY-046 | 25-P-046 | 25PY-046 | Electropositioner | Vessel V-25001E pressure control | V-25001E PR | CNTRL CMD | 123A90-DDL-PR-PID-80019 | - | - | Field | - | PCS | AO | 4-20 mA |
| 88 | 25-PY-049 | 25-P-049 | 25PY-049 | Electropositioner | Vessel V-25001F pressure control | V-25001F PR | CNTRL CMD | 123A90-DDL-PR-PID-80020 | - | - | Field | - | PCS | AO | 4-20 mA |
| 89 | WS0110020309 | - | WS0101020309 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AO | - |
| 90 | WS0101020310 | - | WS0101020310 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AO | - |
| 91 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 92 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 93 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 94 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 95 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 96 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 97 | 25-ZSL-055A | 25-P-055A | 25ZSL-055A | Limit Switch | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | LS CLS | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 98 | 25-ZSH-055A | 25-P-055A | 25ZSH-055A | Limit Switch | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | LS OPN | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 99 | 64-ZSL-031A | 64-P-031A | 64ZSL-031A | Limit Switch | Nitrogen pressure control to distribution header | N2 LS CLSPR | CTRL TO HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 100 | 64-ZSH-031A | 64-P-031A | 64ZSH-031A | Limit Switch | Nitrogen pressure control to distribution header | N2 LS OPNPR | CTRL TO HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 101 | 80-ZSL-001 | 80-X-001 | 80ZSL-001 | Limit Switch | Hyrogen storage to A-80000 Package vent system | H2 STOR LS | CLS A-80000 | 123A90-DDL-PR-PID-80012 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 102 | 80-ZSH-001 | 80-X-001 | 80ZSH-001 | Limit Switch | Hyrogen storage to A-80000 Package vent system | H2 STOR LS | OPN A-80000 | 123A90-DDL-PR-PID-80012 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 103 | 25-ZSL-004 | 25-X-004 | 25ZSL-004 | Limit Switch | Vessel V-25001A Hydrogen inlet | V-25001A LS | CLS PR CTRL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 104 | 25-ZSH-004 | 25-X-004 | 25ZSH-004 | Limit Switch | Vessel V-25001A Hydrogen inlet | V-25001A LS | OPN PR CTRL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 105 | 25-ZSL-008 | 25-X-008 | 25ZSL-008 | Limit Switch | Vessel V-25001B Hydrogen inlet | H2 IL LS CLS | V-25001B | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 106 | 25-ZSH-008 | 25-X-008 | 25ZSH-008 | Limit Switch | Vessel V-25001B Hydrogen inlet | H2 IL LS OPN | V-25001B | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 107 | 25-ZSL-011 | 25-X-011 | 25ZSL-011 | Limit Switch | Vessel V-25001C Hydrogen inlet | H2 IL LS CLS | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 108 | 25-ZSH-011 | 25-X-011 | 25ZSH-011 | Limit Switch | Vessel V-25001C Hydrogen inlet | H2 IL LS OPN | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 109 | 25-ZSL-014 | 25-X-014 | 25ZSL-014 | Limit Switch | Vessel V-25001D Hydrogen inlet | V-25001D LS | CLS PR CTRL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 110 | 25-ZSH-014 | 25-X-014 | 25ZSH-014 | Limit Switch | Vessel V-25001D Hydrogen inlet | V-25001D LS | OPN PR CTRL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 111 | 25-ZSL-017 | 25-X-017 | 25ZSL-017 | Limit Switch | Vessel V-25001E Hydrogen inlet | H2 IL LS CLS | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 112 | 25-ZSH-017 | 25-X-017 | 25ZSH-017 | Limit Switch | Vessel V-25001E Hydrogen inlet | H2 IL LS OPN | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 113 | 25-ZSL-020 | 25-X-020 | 25ZSL-020 | Limit Switch | Vessel V-25001F Hydrogen inlet | H2 IL LS CLS | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 114 | 25-ZSH-020 | 25-X-020 | 25ZSH-020 | Limit Switch | Vessel V-25001F Hydrogen inlet | H2 IL LS OPN | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 115 | 25-ZSL-031 | 25-F-031 | 25ZSL-031 | Limit Switch | Nitrogen to V-25001A vessel | N2 LS CLSTO | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 116 | 25-ZSH-031 | 25-F-031 | 25ZSH-031 | Limit Switch | Nitrogen to V-25001A vessel | N2 LS OPNTO | V-25001A | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 117 | 25-ZSL-032 | 25-F-032 | 25ZSL-032 | Limit Switch | Nitrogen to V-25001B vessel | N2 LS CLSTO | V-25001B | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 118 | 25-ZSH-032 | 25-F-032 | 25ZSH-032 | Limit Switch | Nitrogen to V-25001B vessel | N2 LS OPNTO | V-25001B | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 119 | 25-ZSL-033 | 25-F-033 | 25ZSL-033 | Limit Switch | Nitrogen to V-25001C vessel | N2 LS CLSTO | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 120 | 25-ZSH-033 | 25-F-033 | 25ZSH-033 | Limit Switch | Nitrogen to V-25001C vessel | N2 LS OPNTO | V-25001C | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 121 | 25-ZSL-034 | 25-F-034 | 25ZSL-034 | Limit Switch | Nitrogen to V-25001D vessel | N2 LS CLSTO | V-25001D | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 122 | 25-ZSH-034 | 25-F-034 | 25ZSH-034 | Limit Switch | Nitrogen to V-25001D vessel | N2 LS OPNTO | V-25001D | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 123 | WS0101020527 | - | WS0101020527 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 124 | WS0101020528 | - | WS0101020528 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 125 | WS0110020529 | - | WS0101020529 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 126 | WS0110020530 | - | WS0101020530 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 127 | WS0110020531 | - | WS0101020531 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | - |
| 128 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 129 | 25-PT-055B | 25-P-055B | 25PI-055B | Pressure Tx | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | AI | 4-20 mA |
| 130 | 25-ZT-055B | 25-P-055B | 25ZI-055B | Position Tx | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | POS FB | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | AI | 4-20 mA |
| 131 | 50-PT-001 | 50-P-001 | 50PI-001 | Pressure Tx | Sea water from pump P-50001A | PMP P-50001A | SEA WTR PR | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | AI | 4-20 mA |
| 132 | 50-PT-002 | 50-P-002 | 50PI-002 | Pressure Tx | Sea water from pump P-50001B | PMP P-50001B | SEA WTR PR | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | AI | 4-20 mA |
| 133 | 64-PT-031B | 64-P-031B | 64PI-031B | Pressure Tx | Nitrogen pressure control to distribution header | N2 PR CNTRL | TO DISTB HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AI | 4-20 mA |
| 134 | 64-ZT-031B | 64-P-031B | 64ZI-031B | Position Tx | Nitrogen pressure control to distribution header | H2 OL HDR PR | POS FB | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AI | 4-20 mA |
| 135 | 50-TT-001 | 50-T-001 | 50TI-001 | Temperature Tx | Sea water from lift pump P-50001A/B | TMP FRM PMP | P-50001A/B | 123A90-DDL-PR-PID-80022 | - | L | Field | - | PCS | AI | 4-20 mA |
| 136 | 50-TT-002 | 50-T-002 | 50TI-002 | Temperature Tx | Water disposal header to caisson B-50014 | WTR HDR TEMP | TO B-50014 | 123A90-DDL-PR-PID-80025 | - | L | Field | - | PCS | AI | 4-20 mA |
| 137 | 50-PT-014 | 50-P-014 | 50PI-014 | Pressure Tx | Water disposal header to caisson B-50014 | WTR HDR PR | TO B-50014 | 123A90-DDL-PR-PID-80025 | - | L | Field | - | PCS | AI | 4-20 mA |
| 138 | 55-LIT-001 | 55-L-001 | 55LI-001 | Level Tx (Radar) | Vessel T-55001 level | VESSEL LVL | T-5501 | 123A90-DDL-PR-PID-80026 | - | L | Field | - | PCS | AI | 4-20 mA |
| 139 | 63-PT-003 | 63-P-003 | 63PI-003 | Pressure Tx | Instrument air to distribution header | INST AIR TO | DISTB HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AI | 4-20 mA |
| 140 | WS0110030112 | - | WS0101030112 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 141 | WS0101030113 | - | WS0101030113 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 142 | WS0101030114 | - | WS0101030114 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AI | - |
| 143 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 144 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AI | - |
| 145 | 25-PY-055B | 25-P-055B | 25PY-055B | Electropositioner | Hyrogen from vessels outlet header pressure control | H2 CMD FRM O | L HDR PR | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | AO | 4-20 mA |
| 146 | 64-PY-031B | 64-P-031B | 64PY-031B | Electropositioner | Nitrogen pressure control to distribution header | H2 CMD FRM O | L HDR PR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | AO | 4-20 mA |
| 147 | 25-FY-031 | 25-F-031 | 25FY-031 | Electropositioner | Nitrogen to V-25001A vessel | N2 CMD TO | V-25001A | 123A90-DDL-PR-PID-80015 | - | - | Field | - | PCS | AO | 4-20 mA |
| 148 | 25-FY-032 | 25-F-032 | 25FY-032 | Electropositioner | Nitrogen to V-25001B vessel | N2 CMD TO | V-25001B | 123A90-DDL-PR-PID-80016 | - | - | Field | - | PCS | AO | 4-20 mA |
| 149 | 25-FY-033 | 25-F-033 | 25FY-033 | Electropositioner | Nitrogen to V-25001C vessel | N2 CMD TO | V-25001C | 123A90-DDL-PR-PID-80017 | - | - | Field | - | PCS | AO | 4-20 mA |
| 150 | 25-FY-038 | 25-F-038 | 25FY-038 | Electropositioner | Nitrogen to V-25001E vessel | N2 CMD TO | V-25001E | 123A90-DDL-PR-PID-80019 | - | - | Field | - | PCS | AO | 4-20 mA |
| 151 | 25-FY-036 | 25-F-036 | 25FY-036 | Electropositioner | Nitrogen to V-25001F vessel | N2 CMD TO | V-25001F | 123A90-DDL-PR-PID-80020 | - | - | Field | - | PCS | AO | 4-20 mA |
| 152 | 25-FY-034 | 25-F-034 | 25FY-034 | Electropositioner | Nitrogen to V-25001D vessel | N2 CMD TO | V-25001D | 123A90-DDL-PR-PID-80018 | - | - | Field | - | PCS | AO | 4-20 mA |
| 153 | WS0110030309 | - | WS0101030309 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AO | - |
| 154 | WS0110030310 | - | WS0101030310 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | AO | - |
| 155 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 156 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 157 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 158 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 159 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 160 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | AO | - |
| 161 | 25-ZSL-055B | 25-P-055B | 25ZSL-055B | Limit Switch | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | LS CLS | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 162 | 25-ZSH-055B | 25-P-055B | 25ZSH-055B | Limit Switch | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | LS OPN | 123A90-DDL-PR-PID-80014 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 163 | 64-ZSL-031B | 64-P-031B | 64ZSL-031B | Limit Switch | Nitrogen pressure control to distribution header | N2 LS CLSPR | CTRL TO HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 164 | 64-ZSH-031B | 64-P-031B | 64ZSH-031B | Limit Switch | Nitrogen pressure control to distribution header | N2 LS OPNPR | CTRL TO HDR | 123A90-DDL-PR-PID-80027 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 165 | 25-ZSL-036 | 25-F-036 | 25ZSL-036 | Limit Switch | Nitrogen to V-25001F vessel | N2 LS CLSTO | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 166 | 25-ZSH-036 | 25-F-036 | 25ZSH-036 | Limit Switch | Nitrogen to V-25001F vessel | N2 LS OPNTO | V-25001F | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DI | FVC-24Vdc |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 85 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 86 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 87 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 88 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11001 | 00-JE-11001_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 89 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 90 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 91 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 92 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 93 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 94 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 95 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 96 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 97 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 98 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 99 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 100 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 101 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 102 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 103 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 104 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 105 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 106 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 107 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 108 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 109 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | CLOSED | N_CLOSED |
| 110 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | OPENED | N_OPENED |
| 111 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | CLOSED | N_CLOSED |
| 112 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | OPENED | N_OPENED |
| 113 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 114 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 115 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 116 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 117 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 118 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 119 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | CLOSED | N_CLOSED |
| 120 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | OPENED | N_OPENED |
| 121 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | CLOSED | N_CLOSED |
| 122 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | OPENED | N_OPENED |
| 123 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 124 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 125 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 126 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12004 | 00-JE-12004_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 127 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 128 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 129 | Hold-4 | NIS | - | barg | 10 | 10 | - | 3 | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 130 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 131 | Hold-4 | NIS | - | barg | 0 | 18 | - | 4 | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 132 | Hold-4 | NIS | - | barg | 0 | 18 | - | 4 | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 133 | Hold-4 | NIS | - | barg | 0 | 10 | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | | |
| 134 | Hold-4 | NIS | - | % | 0 | 100 | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 135 | Hold-4 | NIS | - | °C | 0 | 50 | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 136 | Hold-4 | NIS | - | °C | 0 | 80 | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 137 | Hold-4 | NIS | - | barg | 0 | 18 | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 138 | Hold-4 | NIS | - | Hold-6 | Hold-7 | 4660 | - | - | - | - | - | - | - | - | - | - | 00-JE-11005 | 00-JE-11005 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 139 | Hold-4 | NIS | - | barg | 0 | 11 | - | - | - | - | - | - | - | - | - | - | C-63-PT-003 | C-63-PT-003/ B400-PCS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 140 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 141 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 142 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 143 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 144 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 145 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11002 | 00-JE-11002 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | | |
| 146 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11004 | 00-JE-11004/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 147 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | | |
| 148 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | | |
| 149 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | | |
| 150 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | | |
| 151 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | | |
| 152 | Hold-4 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | | |
| 153 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | | |
| 154 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 155 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 156 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | | |
| 157 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-11003 | 00-JE-11003_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | | |
| 158 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 159 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 160 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 161 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 162 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12003 | 00-JE-12003 / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 163 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 164 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 165 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 166 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | FCS0101 | 02 | 03 | 04 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 04A | 04B | TB-00-JE-11001 | 43 | 44 | - | - | - | 02 | |
| 85 | FCS0101 | 02 | 03 | 05 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 05A | 05B | TB-00-JE-11001 | 45 | 46 | - | - | - | 02 | |
| 86 | FCS0101 | 02 | 03 | 06 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 06A | 06B | TB-00-JE-11001 | 47 | 48 | - | - | - | 02 | |
| 87 | FCS0101 | 02 | 03 | 07 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 07A | 07B | TB-00-JE-11001 | 25 | 26 | - | - | - | 02 | |
| 88 | FCS0101 | 02 | 03 | 08 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 08A | 08B | TB-00-JE-11001 | 27 | 28 | - | - | - | 02 | |
| 89 | FCS0101 | 02 | 03 | 09 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 09A | 09B | | - | - | - | - | - | 02 | |
| 90 | FCS0101 | 02 | 03 | 10 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 10A | 10B | | - | - | - | - | - | 02 | |
| 91 | FCS0101 | 02 | 03 | 11 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 11A | 11B | | - | - | - | - | - | 02 | |
| 92 | FCS0101 | 02 | 03 | 12 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 12A | 12B | | - | - | - | - | - | 02 | |
| 93 | FCS0101 | 02 | 03 | 13 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 13A | 13B | | - | - | - | - | - | 02 | |
| 94 | FCS0101 | 02 | 03 | 14 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 14A | 14B | | - | - | - | - | - | 02 | |
| 95 | FCS0101 | 02 | 03 | 15 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 15A | 15B | | - | - | - | - | - | 02 | |
| 96 | FCS0101 | 02 | 03 | 16 | B400-PCS-001 | TB-02-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 16A | 16B | | - | - | - | - | - | 02 | |
| 97 | FCS0101 | 02 | 05 | 01 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 01A | 01B | TB-00-JE-12003 | 5 | 6 | - | - | - | 02 | |
| 98 | FCS0101 | 02 | 05 | 02 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 02A | 02B | TB-00-JE-12003 | 7 | 8 | - | - | - | 02 | |
| 99 | FCS0101 | 02 | 05 | 03 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 03A | 03B | TB-00-JE-12006 | 25 | 26 | - | - | - | 02 | |
| 100 | FCS0101 | 02 | 05 | 04 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 04A | 04B | TB-00-JE-12006 | 27 | 28 | - | - | - | 02 | |
| 101 | FCS0101 | 02 | 05 | 05 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 05A | 05B | TB-00-JE-12003 | 1 | 2 | - | - | - | 02 | |
| 102 | FCS0101 | 02 | 05 | 06 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 06A | 06B | TB-00-JE-12003 | 3 | 4 | - | - | - | 02 | |
| 103 | FCS0101 | 02 | 05 | 07 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 07A | 07B | TB-00-JE-12004 | 1 | 2 | - | - | - | 02 | |
| 104 | FCS0101 | 02 | 05 | 08 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 08A | 08B | TB-00-JE-12004 | 3 | 4 | - | - | - | 02 | |
| 105 | FCS0101 | 02 | 05 | 09 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 09A | 09B | TB-00-JE-12004 | 5 | 6 | - | - | - | 02 | |
| 106 | FCS0101 | 02 | 05 | 10 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 10A | 10B | TB-00-JE-12004 | 7 | 8 | - | - | - | 02 | |
| 107 | FCS0101 | 02 | 05 | 11 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 11A | 11B | TB-00-JE-12004 | 9 | 10 | - | - | - | 02 | |
| 108 | FCS0101 | 02 | 05 | 12 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 12A | 12B | TB-00-JE-12004 | 11 | 12 | - | - | - | 02 | |
| 109 | FCS0101 | 02 | 05 | 13 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 13A | 13B | TB-00-JE-12004 | 13 | 14 | - | - | - | 02 | |
| 110 | FCS0101 | 02 | 05 | 14 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 14A | 14B | TB-00-JE-12004 | 15 | 16 | - | - | - | 02 | |
| 111 | FCS0101 | 02 | 05 | 15 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 15A | 15B | TB-00-JE-12004 | 17 | 18 | - | - | - | 02 | |
| 112 | FCS0101 | 02 | 05 | 16 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 16A | 16B | TB-00-JE-12004 | 19 | 20 | - | - | - | 02 | |
| 113 | FCS0101 | 02 | 05 | 17 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 17A | 17B | TB-00-JE-12004 | 25 | 26 | - | - | - | 02 | |
| 114 | FCS0101 | 02 | 05 | 18 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 18A | 18B | TB-00-JE-12004 | 27 | 28 | - | - | - | 02 | |
| 115 | FCS0101 | 02 | 05 | 19 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 19A | 19B | TB-00-JE-12004 | 29 | 30 | - | - | - | 02 | |
| 116 | FCS0101 | 02 | 05 | 20 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 20A | 20B | TB-00-JE-12004 | 31 | 32 | - | - | - | 02 | |
| 117 | FCS0101 | 02 | 05 | 21 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 21A | 21B | TB-00-JE-12004 | 33 | 34 | - | - | - | 02 | |
| 118 | FCS0101 | 02 | 05 | 22 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 22A | 22B | TB-00-JE-12004 | 35 | 36 | - | - | - | 02 | |
| 119 | FCS0101 | 02 | 05 | 23 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 23A | 23B | TB-00-JE-12004 | 37 | 38 | - | - | - | 02 | |
| 120 | FCS0101 | 02 | 05 | 24 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 24A | 24B | TB-00-JE-12004 | 39 | 40 | - | - | - | 02 | |
| 121 | FCS0101 | 02 | 05 | 25 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 25A | 25B | TB-00-JE-12004 | 41 | 42 | - | - | - | 02 | |
| 122 | FCS0101 | 02 | 05 | 26 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 26A | 26B | TB-00-JE-12004 | 43 | 44 | - | - | - | 02 | |
| 123 | FCS0101 | 02 | 05 | 27 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 27A | 27B | TB-00-JE-12004 | 21 | 22 | - | - | - | 02 | |
| 124 | FCS0101 | 02 | 05 | 28 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 28A | 28B | TB-00-JE-12004 | 23 | 24 | - | - | - | 02 | |
| 125 | FCS0101 | 02 | 05 | 29 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 29A | 29B | TB-00-JE-12004 | 45 | 46 | - | - | - | 02 | |
| 126 | FCS0101 | 02 | 05 | 30 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 30A | 30B | TB-00-JE-12004 | 47 | 48 | - | - | - | 02 | |
| 127 | FCS0101 | 02 | 05 | 31 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 31A | 31B | | - | - | - | - | - | 02 | |
| 128 | FCS0101 | 02 | 05 | 32 | B400-PCS-001 | TB-02-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 32A | 32B | | - | - | - | - | - | 02 | |
| 129 | FCS0101 | 03 | 01 | 01 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 01A | 01B | TB-00-JE-11002 | 3 | 4 | - | - | - | 02 | |
| 130 | FCS0101 | 03 | 01 | 02 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 02A | 02B | TB-00-JE-11002 | 11 | 12 | - | - | - | 02 | |
| 131 | FCS0101 | 03 | 01 | 03 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 03A | 03B | TB-00-JE-11004 | 1 | 2 | - | - | - | 02 | |
| 132 | FCS0101 | 03 | 01 | 04 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 04A | 04B | TB-00-JE-11004 | 3 | 4 | - | - | - | 02 | |
| 133 | FCS0101 | 03 | 01 | 05 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 05A | 05B | TB-00-JE-11004 | 11 | 12 | - | - | - | 02 | |
| 134 | FCS0101 | 03 | 01 | 06 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 06A | 06B | TB-00-JE-11005 | 5 | 6 | - | - | - | 02 | |
| 135 | FCS0101 | 03 | 01 | 07 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 07A | 07B | TB-00-JE-11004 | 5 | 6 | - | - | - | 02 | |
| 136 | FCS0101 | 03 | 01 | 08 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 08A | 08B | TB-00-JE-11004 | 7 | 8 | - | - | - | 02 | |
| 137 | FCS0101 | 03 | 01 | 09 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 09A | 09B | TB-00-JE-11004 | 17 | 18 | - | - | - | 02 | |
| 138 | FCS0101 | 03 | 01 | 10 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 10A | 10B | TB-00-JE-11005 | 1 | 2 | - | - | - | 02 | |
| 139 | FCS0101 | 03 | 01 | 11 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 11A | 11B | TB-C-63-PT-003 | 1 | 2 | - | - | - | 02 | |
| 140 | FCS0101 | 03 | 01 | 12 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 12A | 12B | TB-00-JE-11004 | 19 | 20 | - | - | - | 02 | |
| 141 | FCS0101 | 03 | 01 | 13 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 13A | 13B | TB-00-JE-11004 | 21 | 22 | - | - | - | 02 | |
| 142 | FCS0101 | 03 | 01 | 14 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 14A | 14B | TB-00-JE-11004 | 23 | 24 | - | - | - | 02 | |
| 143 | FCS0101 | 03 | 01 | 15 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 15A | 15B | | - | - | - | - | - | 02 | |
| 144 | FCS0101 | 03 | 01 | 16 | B400-PCS-001 | TB-03-01 | A1BA4D-06 | AAI143 | B400-PCS-002 | 16A | 16B | | - | - | - | - | - | 02 | |
| 145 | FCS0101 | 03 | 03 | 01 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 01A | 01B | TB-00-JE-11002 | 7 | 8 | - | - | - | 02 | |
| 146 | FCS0101 | 03 | 03 | 02 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 02A | 02B | TB-00-JE-11004 | 15 | 16 | - | - | - | 02 | |
| 147 | FCS0101 | 03 | 03 | 03 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 03A | 03B | TB-00-JE-11003 | 13 | 14 | - | - | - | 02 | |
| 148 | FCS0101 | 03 | 03 | 04 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 04A | 04B | TB-00-JE-11003 | 15 | 16 | - | - | - | 02 | |
| 149 | FCS0101 | 03 | 03 | 05 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 05A | 05B | TB-00-JE-11003 | 17 | 18 | - | - | - | 02 | |
| 150 | FCS0101 | 03 | 03 | 06 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 06A | 06B | TB-00-JE-11003 | 25 | 26 | - | - | - | 02 | |
| 151 | FCS0101 | 03 | 03 | 07 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 07A | 07B | TB-00-JE-11003 | 27 | 28 | - | - | - | 02 | |
| 152 | FCS0101 | 03 | 03 | 08 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 08A | 08B | TB-00-JE-11003 | 29 | 30 | - | - | - | 02 | |
| 153 | FCS0101 | 03 | 03 | 09 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 09A | 09B | TB-00-JE-11003 | 19 | 20 | - | - | - | 02 | |
| 154 | FCS0101 | 03 | 03 | 10 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 10A | 10B | TB-00-JE-11003 | 21 | 22 | - | - | - | 02 | |
| 155 | FCS0101 | 03 | 03 | 11 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 11A | 11B | TB-00-JE-11003 | 23 | 24 | - | - | - | 02 | |
| 156 | FCS0101 | 03 | 03 | 12 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 12A | 12B | TB-00-JE-11003 | 45 | 46 | - | - | - | 02 | |
| 157 | FCS0101 | 03 | 03 | 13 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 13A | 13B | TB-00-JE-11003 | 47 | 48 | - | - | - | 02 | |
| 158 | FCS0101 | 03 | 03 | 14 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 14A | 14B | | - | - | - | - | - | 02 | |
| 159 | FCS0101 | 03 | 03 | 15 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 15A | 15B | | - | - | - | - | - | 02 | |
| 160 | FCS0101 | 03 | 03 | 16 | B400-PCS-001 | TB-03-03 | A1BA4D-06 | AAI543 | B400-PCS-002 | 16A | 16B | | - | - | - | - | - | 02 | |
| 161 | FCS0101 | 03 | 05 | 01 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 01A | 01B | TB-00-JE-12003 | 9 | 10 | - | - | - | 02 | |
| 162 | FCS0101 | 03 | 05 | 02 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 02A | 02B | TB-00-JE-12003 | 11 | 12 | - | - | - | 02 | |
| 163 | FCS0101 | 03 | 05 | 03 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 03A | 03B | TB-00-JE-12006 | 29 | 30 | - | - | - | 02 | |
| 164 | FCS0101 | 03 | 05 | 04 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 04A | 04B | TB-00-JE-12006 | 31 | 32 | - | - | - | 02 | |
| 165 | FCS0101 | 03 | 05 | 05 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 05A | 05B | TB-00-JE-12005 | 1 | 2 | - | - | - | 02 | |
| 166 | FCS0101 | 03 | 05 | 06 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 06A | 06B | TB-00-JE-12005 | 3 | 4 | - | - | - | 02 | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

PCS

| S.No | TAG_NAME | LOOP_NAME | HMI TAG_NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | PSD Level | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | 25-ZSL-038 | 25-F-038 | 25ZSL-038 | Limit Switch | Nitrogen to V-25001E vessel | N2 LS CLSTO | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 168 | 25-ZSH-038 | 25-F-038 | 25ZSH-038 | Limit Switch | Nitrogen to V-25001E vessel | N2 LS OPNTO | V-25001E | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 169 | 25-ZSL-024 | 25-X-024 | 25ZSL-024 | Limit Switch | Hyrogen to vessels inlet header vent system | H2 TO IL HDR | LS CLS VS | 123A90-DDL-PR-PID-80013 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 170 | 25-ZSH-024 | 25-X-024 | 25ZSH-024 | Limit Switch | Hyrogen to vessels inlet header vent system | H2 TO IL HDR | LS OPN VS | 123A90-DDL-PR-PID-80013 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 171 | 50-ZSL-001 | 50-X-001 | 50ZSL-001 | Limit Switch | Sea water from pump P-50001A | LS CLSPMP | P-50001A | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 172 | 50-ZSH-001 | 50-X-001 | 50ZSH-001 | Limit Switch | Sea water from pump P-50001A | LS OPNPMP | P-50001A | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 173 | 50-ZSL-002 | 50-X-002 | 50ZSL-002 | Limit Switch | Sea water recirculation from pump P-50001A | LS CLSPMP | P-50001A | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 174 | 50-ZSH-002 | 50-X-002 | 50ZSH-002 | Limit Switch | Sea water recirculation from pump P-50001A | LS OPNPMP | P-50001A | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 175 | 50-ZSL-003 | 50-X-003 | 50ZSL-003 | Limit Switch | Sea water from pump P-50001B | PMP P-50001B | WTR LS CLS | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 176 | 50-ZSH-003 | 50-X-003 | 50ZSH-003 | Limit Switch | Sea water from pump P-50001B | PMP P-50001B | WTR LS OPN | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 177 | 50-ZSL-004 | 50-X-004 | 50ZSL-004 | Limit Switch | Sea water recirculation from pump P-50001B | LS CLSPMP | P-50001B | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 178 | 50-ZSH-004 | 50-X-004 | 50ZSH-004 | Limit Switch | Sea water recirculation from pump P-50001B | LS OPNPMP | P-50001B | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DI | FVC-24Vdc |
| 179 | WS0101030519 | - | WS0101030519 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 180 | WS0101030520 | - | WS0101030520 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 181 | WS0101030521 | - | WS0101030521 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 182 | WS0101030522 | - | WS0101030522 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 183 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 184 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 185 | 50-ZSL-005 | 50-X-005 | 50ZSL-005 | Limit Switch | | 50-ZSL-005 | | - | - | - | Field | - | PCS | DI | FVC-24Vdc |
| 186 | 50-ZSH-005 | 50-X-005 | 50ZSH-005 | Limit Switch | | 50-ZSH-005 | | - | - | - | Field | - | PCS | DI | FVC-24Vdc |
| 187 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 188 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 189 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 190 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 191 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 192 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | - | DI | - |
| 193 | B100-TDC-001 | B100-TD-001 | B100TDC-001 | Status signal | B-100 HV/MV SWGR room primary door open | B100 HV/MV | PRIM DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 194 | B100-TDC-002 | B100-TD-002 | B100TDC-002 | Status signal | B-100 HV/MV SWGR room emergency door open | B100 HV/MV | RM EMERDO | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 195 | B100-TIR-001 | B100-TI-001 | B100TIR-001 | Status signal | B-100 HV/MV SWGR room motion detection | B100 HV/MV | RM DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 196 | B200-TDC-001 | B200-TD-001 | B200TDC-001 | Status signal | B-200 LV SWGR room primary door open | B200 LV SWGR | PRIM DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 197 | B200-TDC-002 | B200-TD-002 | B200TDC-002 | Status signal | B-200 LV SWGR room emergency door open | B200 LV SWGR | EMER DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 198 | B200-TIR-001 | B200-TI-001 | B200TIR-001 | Status signal | B-200 LV SWGR room motion detection | B200 HV/MV | SWGR RPDO | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 199 | B300-TDC-001 | B300-TD-001 | B300TDC-001 | Status signal | B-300 UPS room primary door open | B300 UPS RM | DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 200 | B300-TDC-002 | B300-TD-002 | B300TDC-002 | Status signal | B-300 UPS room emergency door open | B300 UPS RM | DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 201 | B300-TIR-001 | B300-TI-001 | B300TIR-001 | Status signal | B-300 UPS room motion detection | B300 UPS RM | MOTN DETECT | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 202 | B400-TDC-001 | B400-TD-001 | B400TDC-001 | Status signal | B-400 I&T equip. Room primary door open | B400 ITER | DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 203 | B400-TDC-002 | B400-TD-002 | B400TDC-002 | Status signal | B-400 I&T equip. Room emergency door open | B400 ITER | EMER DR OPN | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 204 | B400-TIR-001 | B400-TI-001 | B400TIR-001 | Status signal | B-400 I&T equip. Room motion detection | B400 ITER | MOTN DETECT | - | - | BLD | Building | - | PCS | DI | FVC-24Vdc |
| 205 | WS0101040513 | - | WS0101040513 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 206 | WS0110040514 | - | WS0101040514 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 207 | WS0110040515 | - | WS0101040515 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | - | DI | - |
| 208 | - | 87-XA-051 | 87-XA-051 | PCS Panel Ventilation Fan Fault | PCS Panel Ventilation Fan Fault | PCS PNL VENT | FAN FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 209 | - | 87-XA-052 | 87-XA-052 | PCS Panel Power supply & Diodes failure | PCS Panel Power supply & Diodes failure | PCS PNL PS D | IODE FAIL | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 210 | - | 87-XA-053 | 87-XA-053 | PCS Panel Cumulative Breaker Fault | PCS Panel Cumulative Breaker Fault | PCS PNL CUML | BRK FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 211 | - | 87-XA-054 | 87-XA-054 | PCS Panel High Temperature Alarm | PCS Panel High Temperature Alarm | PCS PNL HI | TEMP ALM | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 212 | - | 87-XA-055 | 87-XA-055 | PCS Digital boards Fault | PCS Digital boards Fault | PCS PNL BD B | OARD FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 213 | - | 87-XA-061 | 87-XA-061 | NET Panel Ventilation Fan Fault | NET Panel Ventilation Fan Fault | NET PNL VENT | FAN FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 214 | - | 87-XA-062 | 87-XA-062 | NET Panel Power supply & Diodes failure | NET Panel Power supply & Diodes failure | NET PNL PS D | IODE FAIL | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 215 | - | 87-XA-063 | 87-XA-063 | NET Panel Cumulative Breaker Fault | NET Panel Cumulative Breaker Fault | NET PNL CUML | BRK FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 216 | - | 87-XA-064 | 87-XA-064 | NET&SERV Panel High Temperature Alarm | NET&SERV Panel High Temperature Alarm | NET PNL HI | TEMP ALM | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 217 | - | 87-XA-073 | 87-XA-073 | SERV Panel Cumulative Breaker Fault | SERV Panel Cumulative Breaker Fault | SERV PNL PS | BRK FLT | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 218 | WS0101040526 | - | WS0101040526 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 219 | WS0101040527 | - | WS0101040527 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 220 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 221 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 222 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 223 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | FVC-24Vdc |
| 224 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DI | - |
| 225 | 25-XY-006 | 25-X-006 | 25XY-006 | Solenoid Valve | Vessel V-25001A Hydrogen outlet | V-25001A CMD | H2 OL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DO | 24 Vdc |
| 226 | 25-XY-009 | 25-X-009 | 25XY-009 | Solenoid Valve | Vessel V-25001B Hydrogen outlet | V-25001B CMD | H2 OL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DO | 24 Vdc |
| 227 | 25-XY-012 | 25-X-012 | 25XY-012 | Solenoid Valve | Vessel V-25001C Hydrogen outlet | V-25001C CMD | H2 OL | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DO | 24 Vdc |
| 228 | 25-XY-015 | 25-X-015 | 25XY-015 | Solenoid Valve | Vessel V-25001D Hydrogen outlet | V-25001D CMD | H2 OL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DO | 24 Vdc |
| 229 | 25-XY-018 | 25-X-018 | 25XY-018 | Solenoid Valve | Vessel V-25001E Hydrogen outlet | V-25001E CMD | H2 OL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DO | 24 Vdc |
| 230 | 25-XY-021 | 25-X-021 | 25XY-021 | Solenoid Valve | Vessel V-25001F Hydrogen outlet | V-25001F CMD | H2 OL | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DO | 24 Vdc |
| 231 | 25-XY-004 | 25-X-004 | 25XY-004 | Solenoid Valve | Vessel V-25001A Hydrogen inlet | V-25001A CMD | H2 IL | 123A90-DDL-PR-PID-80015 | - | L | Field | - | PCS | DO | 24 Vdc |
| 232 | 25-XY-008 | 25-X-008 | 25XY-008 | Solenoid Valve | Vessel V-25001B Hydrogen inlet | V-25001B CMD | H2 IL | 123A90-DDL-PR-PID-80016 | - | L | Field | - | PCS | DO | 24 Vdc |
| 233 | 25-XY-011 | 25-X-011 | 25XY-011 | Solenoid Valve | Vessel V-25001C Hydrogen inlet | V-25001C CMD | H2 IL | 123A90-DDL-PR-PID-80017 | - | L | Field | - | PCS | DO | 24 Vdc |
| 234 | 25-XY-014 | 25-X-014 | 25XY-014 | Solenoid Valve | Vessel V-25001D Hydrogen inlet | V-25001D CMD | H2 IL | 123A90-DDL-PR-PID-80018 | - | L | Field | - | PCS | DO | 24 Vdc |
| 235 | 25-XY-017 | 25-X-017 | 25XY-017 | Solenoid Valve | Vessel V-25001E Hydrogen inlet | V-25001E CMD | H2 IL | 123A90-DDL-PR-PID-80019 | - | L | Field | - | PCS | DO | 24 Vdc |
| 236 | 25-XY-020 | 25-X-020 | 25XY-020 | Solenoid Valve | Vessel V-25001F Hydrogen inlet | V-25001F CMD | H2 IL | 123A90-DDL-PR-PID-80020 | - | L | Field | - | PCS | DO | 24 Vdc |
| 237 | 25-XY-024 | 25-X-024 | 25XY-024 | Solenoid Valve | Hyrogen to vessels inlet header vent system | H2 CMD IL | HDR VS | 123A90-DDL-PR-PID-80013 | - | L | Field | - | PCS | DO | 24 Vdc |
| 238 | 50-XY-001 | 50-X-001 | 50XY-001 | Solenoid Valve | Sea water from pump P-50001A | PMP P-50001A | CMD | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DO | 24 Vdc |
| 239 | 50-XY-002 | 50-X-002 | 50XY-002 | Solenoid Valve | Sea water recirculation from pump P-50001A | PMP P-50001A | CMD | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DO | 24 Vdc |
| 240 | 50-XY-003 | 50-X-003 | 50XY-003 | Solenoid Valve | Sea water from pump P-50001B | PMP P-50001B | CMD | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DO | 24 Vdc |
| 241 | 50-XY-004 | 50-X-004 | 50XY-004 | Solenoid Valve | Sea water recirculation from pump P-50001B | PMP P-50001B | CMD | 123A90-DDL-PR-PID-80021 | - | L | Field | - | PCS | DO | 24 Vdc |
| 242 | 80-XY-001 | 80-X-001 | 80XY-001 | Solenoid Valve | Hyrogen storage to A-80000 Package vent system | H2 CMD TO | A-80000 PVS | 123A90-DDL-PR-PID-80012 | - | L | Field | - | PCS | DO | 24 Vdc |
| 243 | WS0101040719 | - | WS0101040719 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DO | - |
| 244 | WS0101040720 | - | WS0101040720 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DO | - |
| 245 | WS0101040721 | - | WS0101040721 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DO | - |
| 246 | WS0101040722 | - | WS0101040722 | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | - | PCS | DO | - |
| 247 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - |
| 248 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - |
| 249 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 168 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 169 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 170 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 171 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR1 | - | - | CLOSED | N_CLOSED |
| 172 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR2 | - | - | OPENED | N_OPENED |
| 173 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR3 | - | - | CLOSED | N_CLOSED |
| 174 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR4 | - | - | OPENED | N_OPENED |
| 175 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | CLOSED | N_CLOSED |
| 176 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | OPENED | N_OPENED |
| 177 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | CLOSED | N_CLOSED |
| 178 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | OPENED | N_OPENED |
| 179 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | ON | OFF |
| 180 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | ON | OFF |
| 181 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | ON | OFF |
| 182 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | ON | OFF |
| 183 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 184 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12005 | 00-JE-12005/ B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 185 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | CLOSED | N_CLOSED |
| 186 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | OPENED | N_OPENED |
| 187 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 188 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_1 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR12 | - | - | ON | OFF |
| 189 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR5 | - | - | ON | OFF |
| 190 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR6 | - | - | ON | OFF |
| 191 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR7 | - | - | ON | OFF |
| 192 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR8 | - | - | ON | OFF |
| 193 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B100-TDC-001 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 194 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B100-TDC-002 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 195 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B100-TIR-001 / B-400-PCS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | OPEN | CLOSE |
| 196 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B200-TDC-001 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 197 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B200-TDC-002 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 198 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B200-TIR-001 / B-400-PCS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | OPEN | CLOSE |
| 199 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B300-TDC-001 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 200 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B300-TDC-002 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 201 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B300-TIR-001 / B-400-PCS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | ON | OFF |
| 202 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B400-TDC-001 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 203 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B400-TDC-002 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | - | - | - | OPEN | CLOSE |
| 204 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-BX00 | C-B400-TIR-001 / B-400-PCS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | OPEN | CLOSE |
| 205 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR9 | - | - | ON | OFF |
| 206 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR10 | - | - | ON | OFF |
| 207 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-12006 | 00-JE-12006_2 / B400-PCS-002 | 12 x 2 x 0.75 mm2 | PR11 | - | - | ON | OFF |
| 208 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | DIRECT | - | - | - | - | - | NORMAL | ALARM |
| 209 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | DIRECT | - | - | - | - | - | NORMAL | ALARM |
| 210 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | DIRECT | - | - | - | - | - | NORMAL | ALARM |
| 211 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | DIRECT | - | - | - | - | - | NORMAL | ALARM |
| 212 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | DIRECT | - | - | - | - | - | NORMAL | ALARM |
| 213 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | X_FAULT | X_FAULT / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | NORMAL | ALARM |
| 214 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | X_FAULT | X_FAULT / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | NORMAL | ALARM |
| 215 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | X_FAULT | X_FAULT / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | NORMAL | ALARM |
| 216 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | X_FAULT | X_FAULT / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | NORMAL | ALARM |
| 217 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | X_FAULT | X_FAULT / B400-PCS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | NORMAL | ALARM |
| 218 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 219 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 220 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 221 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 222 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 223 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 224 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 225 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR1 | - | - | OPEN | CLOSE |
| 226 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR2 | - | - | OPEN | CLOSE |
| 227 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR3 | - | - | OPEN | CLOSE |
| 228 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR4 | - | - | OPEN | CLOSE |
| 229 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR5 | - | - | OPEN | CLOSE |
| 230 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR6 | - | - | OPEN | CLOSE |
| 231 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR1 | - | - | OPEN | CLOSE |
| 232 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR2 | - | - | OPEN | CLOSE |
| 233 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR3 | - | - | OPEN | CLOSE |
| 234 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR4 | - | - | OPEN | CLOSE |
| 235 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR5 | - | - | OPEN | CLOSE |
| 236 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR6 | - | - | OPEN | CLOSE |
| 237 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR7 | - | - | OPEN | CLOSE |
| 238 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 1BK-2BK | - | - | OPEN | CLOSE |
| 239 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 3BK-3BK | - | - | OPEN | CLOSE |
| 240 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 5BK-6BK | - | - | OPEN | CLOSE |
| 241 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 7BK-8BK | - | - | OPEN | CLOSE |
| 242 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR7 | - | - | OPEN | CLOSE |
| 243 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR9 | - | - | ON | OFF |
| 244 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR10 | - | - | ON | OFF |
| 245 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR11 | - | - | ON | OFF |
| 246 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2.5 mm2 | PR12 | - | - | ON | OFF |
| 247 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 248 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR8 | - | - | ON | OFF |
| 249 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR9 | - | - | ON | OFF |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | FCS0101 | 03 | 05 | 07 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 07A | 07B | TB-00-JE-12005 | 5 | 6 | - | - | - | 02 | |
| 168 | FCS0101 | 03 | 05 | 08 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 08A | 08B | TB-00-JE-12005 | 7 | 8 | - | - | - | 02 | |
| 169 | FCS0101 | 03 | 05 | 09 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 09A | 09B | TB-00-JE-12005 | 9 | 10 | - | - | - | 02 | |
| 170 | FCS0101 | 03 | 05 | 10 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 10A | 10B | TB-00-JE-12005 | 11 | 12 | - | - | - | 02 | |
| 171 | FCS0101 | 03 | 05 | 11 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 11A | 11B | TB-00-JE-12006 | 1 | 2 | - | - | - | 02 | |
| 172 | FCS0101 | 03 | 05 | 12 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 12A | 12B | TB-00-JE-12006 | 3 | 4 | - | - | - | 02 | |
| 173 | FCS0101 | 03 | 05 | 13 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 13A | 13B | TB-00-JE-12006 | 5 | 6 | - | - | - | 02 | |
| 174 | FCS0101 | 03 | 05 | 14 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 14A | 14B | TB-00-JE-12006 | 7 | 8 | - | - | - | 02 | |
| 175 | FCS0101 | 03 | 05 | 15 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 15A | 15B | TB-00-JE-12006 | 9 | 10 | - | - | - | 02 | |
| 176 | FCS0101 | 03 | 05 | 16 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 16A | 16B | TB-00-JE-12006 | 11 | 12 | - | - | - | 02 | |
| 177 | FCS0101 | 03 | 05 | 17 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 17A | 17B | TB-00-JE-12006 | 13 | 14 | - | - | - | 02 | |
| 178 | FCS0101 | 03 | 05 | 18 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 18A | 18B | TB-00-JE-12006 | 15 | 16 | - | - | - | 02 | |
| 179 | FCS0101 | 03 | 05 | 19 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 19A | 19B | TB-00-JE-12005 | 13 | 14 | - | - | - | 02 | |
| 180 | FCS0101 | 03 | 05 | 20 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 20A | 20B | TB-00-JE-12005 | 15 | 16 | - | - | - | 02 | |
| 181 | FCS0101 | 03 | 05 | 21 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 21A | 21B | TB-00-JE-12005 | 17 | 18 | - | - | - | 02 | |
| 182 | FCS0101 | 03 | 05 | 22 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 22A | 22B | TB-00-JE-12005 | 19 | 20 | - | - | - | 02 | |
| 183 | FCS0101 | 03 | 05 | 23 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 23A | 23B | TB-00-JE-12005 | 21 | 22 | - | - | - | 02 | |
| 184 | FCS0101 | 03 | 05 | 24 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 24A | 24B | TB-00-JE-12005 | 23 | 24 | - | - | - | 02 | |
| 185 | FCS0101 | 03 | 05 | 25 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 25A | 25B | TB-00-JE-12006 | 17 | 18 | - | - | - | 02 | |
| 186 | FCS0101 | 03 | 05 | 26 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 26A | 26B | TB-00-JE-12006 | 19 | 20 | - | - | - | 02 | |
| 187 | FCS0101 | 03 | 05 | 27 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 27A | 27B | TB-00-JE-12006 | 21 | 22 | - | - | - | 02 | |
| 188 | FCS0101 | 03 | 05 | 28 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 28A | 28B | TB-00-JE-12006 | 23 | 24 | - | - | - | 02 | |
| 189 | FCS0101 | 03 | 05 | 29 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 29A | 29B | TB-00-JE-12006 | 33 | 34 | - | - | - | 02 | |
| 190 | FCS0101 | 03 | 05 | 30 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 30A | 30B | TB-00-JE-12006 | 35 | 36 | - | - | - | 02 | |
| 191 | FCS0101 | 03 | 05 | 31 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 31A | 31B | TB-00-JE-12006 | 37 | 38 | - | - | - | 02 | |
| 192 | FCS0101 | 03 | 05 | 32 | B400-PCS-001 | TB-03-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 32A | 32B | TB-00-JE-12006 | 39 | 40 | - | - | - | 02 | |
| 193 | FCS0101 | 04 | 05 | 01 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 01A | 01B | TB-00-JE-BX00 | 1 | 2 | - | - | - | 02 | |
| 194 | FCS0101 | 04 | 05 | 02 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 02A | 02B | TB-00-JE-BX00 | 3 | 4 | - | - | - | 02 | |
| 195 | FCS0101 | 04 | 05 | 03 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 03A | 03B | TB-00-JE-BX00 | 05 | 06 | 07-08 | - | - | 02 | TB_C used for 12Vdc PS to TIR |
| 196 | FCS0101 | 04 | 05 | 04 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 04A | 04B | TB-00-JE-BX00 | 9 | 10 | - | - | - | 02 | |
| 197 | FCS0101 | 04 | 05 | 05 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 05A | 05B | TB-00-JE-BX00 | 11 | 12 | - | - | - | 02 | |
| 198 | FCS0101 | 04 | 05 | 06 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 06A | 06B | TB-00-JE-BX00 | 13 | 14 | 15-16 | - | - | 02 | TB_C used for 12Vdc PS to TIR |
| 199 | FCS0101 | 04 | 05 | 07 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 07A | 07B | TB-00-JE-BX00 | 17 | 18 | - | - | - | 02 | |
| 200 | FCS0101 | 04 | 05 | 08 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 08A | 08B | TB-00-JE-BX00 | 19 | 20 | - | - | - | 02 | |
| 201 | FCS0101 | 04 | 05 | 09 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 09A | 09B | TB-00-JE-BX00 | 21 | 22 | 23-24 | - | - | 02 | TB_C used for 12Vdc PS to TIR |
| 202 | FCS0101 | 04 | 05 | 10 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 10A | 10B | TB-00-JE-BX00 | 25 | 26 | - | - | - | 02 | |
| 203 | FCS0101 | 04 | 05 | 11 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 11A | 11B | TB-00-JE-BX00 | 27 | 28 | - | - | - | 02 | |
| 204 | FCS0101 | 04 | 05 | 12 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 12A | 12B | TB-00-JE-BX00 | 29 | 30 | 31-32 | - | - | 02 | TB_C used for 12Vdc PS to TIR |
| 205 | FCS0101 | 04 | 05 | 13 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 13A | 13B | TB-00-JE-12006 | 41 | 42 | - | - | - | 02 | |
| 206 | FCS0101 | 04 | 05 | 14 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 14A | 14B | TB-00-JE-12006 | 43 | 44 | - | - | - | 02 | |
| 207 | FCS0101 | 04 | 05 | 15 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 15A | 15B | TB-00-JE-12006 | 45 | 46 | - | - | - | 02 | |
| 208 | FCS0101 | 04 | 05 | 16 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 16A | 16B | | | | - | - | - | 02 | |
| 209 | FCS0101 | 04 | 05 | 17 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 17A | 17B | | | | - | - | - | 02 | |
| 210 | FCS0101 | 04 | 05 | 18 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 18A | 18B | | | | - | - | - | 02 | |
| 211 | FCS0101 | 04 | 05 | 19 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 19A | 19B | | | | - | - | - | 02 | |
| 212 | FCS0101 | 04 | 05 | 20 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 20A | 20B | | | | - | - | - | 02 | |
| 213 | FCS0101 | 04 | 05 | 21 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 21A | 21B | TB-X_FAULT | 1 | 2 | - | - | - | 02 | |
| 214 | FCS0101 | 04 | 05 | 22 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 22A | 22B | TB-X_FAULT | 3 | 4 | - | - | - | 02 | |
| 215 | FCS0101 | 04 | 05 | 23 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 23A | 23B | TB-X_FAULT | 5 | 6 | - | - | - | 02 | |
| 216 | FCS0101 | 04 | 05 | 24 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 24A | 24B | TB-X_FAULT | 7 | 8 | - | - | - | 02 | |
| 217 | FCS0101 | 04 | 05 | 25 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 25A | 25B | TB-X_FAULT | 9 | 10 | - | - | - | 02 | |
| 218 | FCS0101 | 04 | 05 | 26 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 26A | 26B | | - | - | - | - | - | 02 | |
| 219 | FCS0101 | 04 | 05 | 27 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 27A | 27B | | - | - | - | - | - | 02 | |
| 220 | FCS0101 | 04 | 05 | 28 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 28A | 28B | | - | - | - | - | - | 02 | |
| 221 | FCS0101 | 04 | 05 | 29 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 29A | 29B | | - | - | - | - | - | 02 | |
| 222 | FCS0101 | 04 | 05 | 30 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 30A | 30B | | - | - | - | - | - | 02 | |
| 223 | FCS0101 | 04 | 05 | 31 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 31A | 31B | | - | - | - | - | - | 02 | |
| 224 | FCS0101 | 04 | 05 | 32 | B400-PCS-001 | TB-04-05 | A1BD5D-06 | ADV151 | B400-PCS-002 | 32A | 32B | | - | - | - | - | - | 02 | |
| 225 | FCS0101 | 04 | 07 | 01 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 01A | 01B | TB-00-JE-13001 | 1 | 2 | - | PLC-RSC-24DC/21 | R-SOV01 | 02 | |
| 226 | FCS0101 | 04 | 07 | 02 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 02A | 02B | TB-00-JE-13001 | 3 | 4 | - | PLC-RSC-24DC/21 | R-SOV02 | 02 | |
| 227 | FCS0101 | 04 | 07 | 03 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 03A | 03B | TB-00-JE-13001 | 5 | 6 | - | PLC-RSC-24DC/21 | R-SOV03 | 02 | |
| 228 | FCS0101 | 04 | 07 | 04 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 04A | 04B | TB-00-JE-13001 | 7 | 8 | - | PLC-RSC-24DC/21 | R-SOV04 | 02 | |
| 229 | FCS0101 | 04 | 07 | 05 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 05A | 05B | TB-00-JE-13001 | 9 | 10 | - | PLC-RSC-24DC/21 | R-SOV05 | 02 | |
| 230 | FCS0101 | 04 | 07 | 06 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 06A | 06B | TB-00-JE-13001 | 11 | 12 | - | PLC-RSC-24DC/21 | R-SOV06 | 02 | |
| 231 | FCS0101 | 04 | 07 | 07 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 07A | 07B | TB-00-JE-13002 | 1 | 2 | - | PLC-RSC-24DC/21 | R-SOV08 | 02 | |
| 232 | FCS0101 | 04 | 07 | 08 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 08A | 08B | TB-00-JE-13002 | 3 | 4 | - | PLC-RSC-24DC/21 | R-SOV09 | 02 | |
| 233 | FCS0101 | 04 | 07 | 09 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 09A | 09B | TB-00-JE-13002 | 5 | 6 | - | PLC-RSC-24DC/21 | R-SOV10 | 02 | |
| 234 | FCS0101 | 04 | 07 | 10 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 10A | 10B | TB-00-JE-13002 | 7 | 8 | - | PLC-RSC-24DC/21 | R-SOV11 | 02 | |
| 235 | FCS0101 | 04 | 07 | 11 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 11A | 11B | TB-00-JE-13002 | 9 | 10 | - | PLC-RSC-24DC/21 | R-SOV12 | 02 | |
| 236 | FCS0101 | 04 | 07 | 12 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 12A | 12B | TB-00-JE-13002 | 11 | 12 | - | PLC-RSC-24DC/21 | R-SOV13 | 02 | |
| 237 | FCS0101 | 04 | 07 | 13 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 13A | 13B | TB-00-JE-13002 | 13 | 14 | - | PLC-RSC-24DC/21 | R-SOV14 | 02 | |
| 238 | FCS0101 | 04 | 07 | 14 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 14A | 14B | TB-00-JE-13003 | 1 | 2 | - | PLC-RSC-24DC/21 | R-SOV15 | 02 | |
| 239 | FCS0101 | 04 | 07 | 15 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 15A | 15B | TB-00-JE-13003 | 3 | 4 | - | PLC-RSC-24DC/21 | R-SOV16 | 02 | |
| 240 | FCS0101 | 04 | 07 | 16 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 16A | 16B | TB-00-JE-13003 | 5 | 6 | - | PLC-RSC-24DC/21 | R-SOV17 | 02 | |
| 241 | FCS0101 | 04 | 07 | 17 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 17A | 17B | TB-00-JE-13003 | 7 | 8 | - | PLC-RSC-24DC/21 | R-SOV18 | 02 | |
| 242 | FCS0101 | 04 | 07 | 18 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 18A | 18B | TB-00-JE-13001 | 13 | 14 | - | PLC-RSC-24DC/21 | R-SOV07 | 02 | |
| 243 | FCS0101 | 04 | 07 | 19 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 19A | 19B | TB-00-JE-13001 | 17 | 18 | - | - | - | 02 | |
| 244 | FCS0101 | 04 | 07 | 20 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 20A | 20B | TB-00-JE-13001 | 19 | 20 | - | - | - | 02 | |
| 245 | FCS0101 | 04 | 07 | 21 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 21A | 21B | TB-00-JE-13001 | 21 | 22 | - | - | - | 02 | |
| 246 | FCS0101 | 04 | 07 | 22 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 22A | 22B | TB-00-JE-13001 | 23 | 24 | - | - | - | 02 | |
| 247 | FCS0101 | 04 | 07 | 23 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 23A | 23B | - | - | - | - | - | - | 02 | |
| 248 | FCS0101 | 04 | 07 | 24 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 24A | 24B | TB-00-JE-13002 | 15 | 16 | - | - | - | 02 | |
| 249 | FCS0101 | 04 | 07 | 25 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 25A | 25B | TB-00-JE-13002 | 17 | 18 | - | - | - | 02 | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

CROSSWIND

HOLLANDSE KUST NOORD WIND PARK Project
Contract No. CW-I-WP4-2023-05

ROSETTI MARINO

Document Title: PCS and Safety System IO List (HW and SW)

Issued for Construction

Date: 10/10/2025
REV: 05

**PCS**

| S.No | TAG_NAME | LOOP_NAME | HMI TAG_NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | PSD Level | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE | Ex-i |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 251 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 252 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 253 | 50-XY-005 | 50-X-005 | 50XY-005 | Solenoid Valve | | 50-XY-005 | | - | - | - | Field | - | PCS | DO | 24 Vdc | - | NIS |
| 254 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 255 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 256 | SPARE | - | SPARE | - | SPARE | SPARE | | - | - | - | - | - | PCS | DO | - | - | NIS |
| 257 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 258 | - | 87-XA-061 | 87-XA-061 | NET Panel Ventilation Fan Fault | NET Panel Ventilation Fan Fault | NET PNL VENT | FAN FLT | - | - | - | - | - | PCS | SW | - | - | NIS |
| 259 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 260 | - | 87-XA-062 | 87-XA-062 | NET Panel Power supply & Diodes failure | NET Panel Power supply & Diodes failure | NET PNL PS D | IODE FAIL | - | - | - | - | - | PCS | SW | - | - | NIS |
| 261 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 262 | - | 87-XA-063 | 87-XA-063 | NET Panel Cumulative Breaker Fault | NET Panel Cumulative Breaker Fault | NET PNL CUML | BRK FLT | - | - | - | - | - | PCS | SW | - | - | NIS |
| 263 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 264 | - | 87-XA-064 | 87-XA-064 | NET Panel High Temperature Alarm | NET Panel High Temperature Alarm | NET PNL HI | TEMP ALM | - | - | - | - | - | PCS | SW | - | - | NIS |
| 265 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 266 | - | 87-XA-073 | 87-XA-073 | SERVER Panel Cumulative Breaker Fault | SERVER Panel Cumulative Breaker Fault | SVR PNL CUML | BRK FLT | - | - | - | - | - | PCS | SW | - | - | NIS |
| 267 | - | - | - | - | - | - - | | - | - | - | - | - | - | - | - | - | - |
| 268 | - | 87-XA-074 | 87-XA-074 | SERVER Panel High Temperature Alarm | SERVER Panel High Temperature Alarm | SVR PNL HI | TEMP ALM | - | - | - | - | - | PCS | SW | - | - | NIS |
| 269 | 25-FIC-031 | 25-F-031 | 25FIC-031 | Flow Controller | Nitrogen to V-25001A vessel | N2 FLW FBTO | V-25001A | 123A90-DDL-PR-PID-80015 | - | CS | - | - | PCS | SW | - | - | NIS |
| 270 | 25-FIC-032 | 25-F-032 | 25FIC-032 | Flow Controller | Nitrogen to V-25001B vessel | N2 FLW FBTO | V-25001B | 123A90-DDL-PR-PID-80016 | - | CS | - | - | PCS | SW | - | - | NIS |
| 271 | 25-FIC-033 | 25-F-033 | 25FIC-033 | Flow Controller | Nitrogen to V-25001C vessel | N2 FLW FBTO | V-25001C | 123A90-DDL-PR-PID-80017 | - | CS | - | - | PCS | SW | - | - | NIS |
| 272 | 25-FIC-034 | 25-F-034 | 25FIC-034 | Flow Controller | Nitrogen to V-25001D vessel | N2 FLW FBTO | V-25001D | 123A90-DDL-PR-PID-80018 | - | CS | - | - | PCS | SW | - | - | NIS |
| 273 | 25-FIC-036 | 25-F-036 | 25FIC-036 | Flow Controller | Nitrogen to V-25001F vessel | NITROGEN TO | V-25001F | 123A90-DDL-PR-PID-80020 | - | CS | - | - | PCS | SW | - | - | NIS |
| 274 | 25-FIC-038 | 25-F-038 | 25FIC-038 | Flow Controller | Nitrogen to V-25001E vessel | NITROGEN TO | V-25001E | 123A90-DDL-PR-PID-80019 | - | CS | - | - | PCS | SW | - | - | NIS |
| 275 | 25-PIC-035 | 25-P-035 | 25PIC-035 | Pressure Controller | Vessel V-25001A pressure control | V-25001A PR | CNTRL | 123A90-DDL-PR-PID-80015 | - | CS | - | - | PCS | SW | - | - | NIS |
| 276 | 25-PIC-037 | 25-P-037 | 25PIC-037 | Pressure Controller | Vessel V-25001B pressure control | V-25001B PR | CNTRL | 123A90-DDL-PR-PID-80016 | - | CS | - | - | PCS | SW | - | - | NIS |
| 277 | 25PIC-040 | 25-P-040 | 25PIC-040 | Pressure Controller | Vessel V-25001C pressure control | V-25001C PR | CNTRL | 123A90-DDL-PR-PID-80017 | - | CS | - | - | PCS | SW | - | - | NIS |
| 278 | 25PIC-043 | 25-P-043 | 25PIC-043 | Pressure Controller | Vessel V-25001D pressure control | V-25001C PR | CNTRL | 123A90-DDL-PR-PID-80018 | - | CS | - | - | PCS | SW | - | - | NIS |
| 279 | 25-PIC-046 | 25-P-046 | 25PIC-046 | Pressure Controller | Vessel V-25001E pressure control | V-25001E PR | CONTROL | 123A90-DDL-PR-PID-80019 | - | CS | - | - | PCS | SW | - | - | NIS |
| 280 | 25-PIC-049 | 25-P-049 | 25PIC-049 | Pressure Controller | Vessel V-25001F pressure control | V-25001F PR | CONTROL | 123A90-DDL-PR-PID-80020 | - | CS | - | - | PCS | SW | - | - | NIS |
| 281 | 25-PIC-055A | 25-P-055A | 25PIC-055A | Pressure Controller | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | CNTRL | 123A90-DDL-PR-PID-80014 | - | CS | - | - | PCS | SW | - | - | NIS |
| 282 | 25-HS-055 | 25-P-055A | 25HS-055 | Software Selector Switch | Hydrogen Storage Vessel Header (OUTLET) Press Control L | DUTY VALVE | SEL | 123A90-DDL-PR-PID-80014 | - | CS | - | - | PCS | SW | - | - | NIS |
| 283 | 25-PIC-055B | 25-P-055B | 25PIC-055B | Pressure Controller | Hyrogen from vessels outlet header pressure control | H2 OL HDR PR | CNTRL | 123A90-DDL-PR-PID-80014 | - | CS | - | - | PCS | SW | - | - | NIS |
| 284 | 64-PIC-031A | 64-P-031A | 64PIC-031A | Pressure Controller | Nitrogen pressure control to distribution header | H2 OL HDR PR | CNTRL | 123A90-DDL-PR-PID-80027 | - | CS | - | - | PCS | SW | - | - | NIS |
| 285 | 64-HS-031 | 64-P-031A | 64HS-031 | Software Selector Switch | Nitrogen System Press Cntrl Valve Control Loop Selection | DUTY VALVE | SELECT | 123A90-DDL-PR-PID-80027 | - | CS | - | - | PCS | SW | - | - | NIS |
| 286 | 64-PIC-031B | 64-P-031B | 64PIC-031B | Pressure Controller | Nitrogen pressure control to distribution header | H2 OL HDR PR | CNTRL | 123A90-DDL-PR-PID-80027 | - | CS | - | - | PCS | SW | - | - | NIS |
| 287 | PD-43-FT-001 | PD-43-FT-001 | PD-43-FT-001 | | | H2 KO DRUM | V-43001 | 123A90-DDL-PR-PID-80029 | - | CS | - | - | PCS | SW | - | - | NIS |

| S.No | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR10 | - | - | ON | OFF |
| 251 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR11 | - | - | ON | OFF |
| 252 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13002 | 00-JE-13002 / B400-PCS-002 | 24 x 2.5 mm2 | PR12 | - | - | ON | OFF |
| 253 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 9BK-10BK | - | - | OPEN | CLOSE |
| 254 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13003 | 00-JE-13003 / B400-PCS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | ON | OFF |
| 255 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 256 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ON | OFF |
| 257 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 258 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 259 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 260 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 261 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 262 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 263 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 264 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 265 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 266 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 267 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 268 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 269 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 270 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 271 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 272 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 273 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 274 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 275 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 276 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 277 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 278 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 279 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 280 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 281 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 282 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 283 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 284 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 285 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 286 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 287 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-13001 | 00-JE-13001 / B400-PCS-002 | 24 x 2,5 mm2 | PR8 | | | | |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | FCS0101 | 04 | 07 | 26 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 26A | 26B | TB-00-JE-13002 | 19 | 20 | - | - | - | 02 | |
| 251 | FCS0101 | 04 | 07 | 27 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 27A | 27B | TB-00-JE-13002 | 21 | 22 | - | - | - | 02 | |
| 252 | FCS0101 | 04 | 07 | 28 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 28A | 28B | TB-00-JE-13002 | 23 | 24 | - | - | - | 02 | |
| 253 | FCS0101 | 04 | 07 | 29 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 29A | 29B | TB-00-JE-13003 | 9 | 10 | - | PLC-RSC-24DC/21 | R-SOV19 | 02 | |
| 254 | FCS0101 | 04 | 07 | 30 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 30A | 30B | TB-00-JE-13003 | 11 | 12 | - | - | - | 02 | |
| 255 | FCS0101 | 04 | 07 | 31 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 31A | 31B | - | - | - | - | - | - | 02 | |
| 256 | FCS0101 | 04 | 07 | 32 | B400-PCS-001 | TB-04-07 | A1BD5D-06 | ADV551 | B400-PCS-002 | 32A | 32B | - | - | - | - | - | - | 02 | |
| 257 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 258 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 259 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 260 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 261 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 262 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 263 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 264 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 265 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 266 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 267 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 268 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 269 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 270 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 271 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 272 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 273 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 274 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 275 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 276 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 277 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 278 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 279 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 280 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 281 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 282 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 283 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 284 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 285 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 286 | FCS0101 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | |
| 287 | FCS0101 | - | - | - | - | - | - | - | - | - | - | TB-00-JE-13001 | 15 | 16 | - | - | - | - | Power Supply to 43-FT-001 |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## SIS

| S.No | TAG_NAME | LOOP_NAME | SIS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE | Ex-i | LINE MONITORING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25-PT-004 | 25-P-004 | 25PI-004 | - | Pressure Tx | Vessel V-25001A Hydrogen vent system | VSL V-25001A | H2 VNT SYS | 123A90-DDL-PR-PID-80015 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 2 | 25-PT-006 | 25-P-006 | 25PI-006 | - | Pressure Tx | Vessel V-25001B Hydrogen vent system | VSL V-25001B | H2 VNT SYS | 123A90-DDL-PR-PID-80016 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 3 | 25-PT-008 | 25-P-008 | 25PI-008 | - | Pressure Tx | Vessel V-25001C Hydrogen vent system | VSL V-25001C | H2 VNT SYS | 123A90-DDL-PR-PID-80017 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 4 | 25-PT-009 | 25-P-009 | 25PI-009 | - | Pressure Tx | Vessel V-25001D Hydrogen vent system | VSL V-25001D | H2 VNT SYS | 123A90-DDL-PR-PID-80018 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 5 | 25-PT-011 | 25-P-011 | 25PI-011 | - | Pressure Tx | Vessel V-25001E Hydrogen vent system | VSL V-25001E | H2 VNT SYS | 123A90-DDL-PR-PID-80019 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 6 | 25-PT-012 | 25-P-012 | 25PI-012 | - | Pressure Tx | Vessel V-25001F Hydrogen vent system | VSL V-25001F | H2 VNT SYS | 123A90-DDL-PR-PID-80020 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 7 | 25-PT-002 | 25-P-002 | 25PI-002 | - | Pressure Tx | Hyrogen to vessels inlet header shut-down | H2 TO VSL | INLET HDR SD | 123A90-DDL-PR-PID-80013 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 8 | 80-PT-002 | 80-P-002 | 80PI-002 | - | Pressure Tx | Hyrogen storage to A-80000 Package | OUT.L H2 HDR | FUEL CEL PKG | 123A90-DDL-PR-PID-80012 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 9 | 64-PT-002 | 64-P-002 | 64PI-002 | - | Pressure Tx | Nitrogen to distribution header | N2 TO DISTB | HDR LO PR | 123A90-DDL-PR-PID-80027 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 10 | 63-PT-004 | 63-P-004 | 63PI-004 | - | Pressure Tx | Instrument air to distribution header low pressure | INST AIR DIS | HDR LO PR | 123A90-DDL-PR-PID-80027 | - | L | Field | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 11 | WS0110010111 | - | WS0110010111 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 12 | WS0110010112 | - | WS0110010112 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 13 | WS0110010113 | - | WS0110010113 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 14 | 43-LT-001 | 43-LT-001 | 43LI-001 | - | Level Tx (Dp Type) | KO DRUM V-43001 high/low level | KO DRUM | V-43001 LVL | 123A90-DDL-PR-PID-80029 | - | L | | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 15 | WS0110010115 | - | 011015B400-SIS-001TB-01 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 16 | WS0110010116 | - | 011016B400-SIS-001TB-01 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | AI | 4-20 mA | Hold-4 | NIS | - |
| 17 | 25-ZSL-005 | 25-B-005 | 25ZSL-005 | - | Limit Switch | Vessel V-25001A Hydrogen vent system | VSL V-25001A | H2 VNT SYS | 123A90-DDL-PR-PID-80015 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 18 | 25-ZSH-005 | 25-B-005 | 25ZSH-005 | - | Limit Switch | Vessel V-25001A Hydrogen vent system | VSL V-25001A | H2 VNT SYS | 123A90-DDL-PR-PID-80015 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 19 | 25-ZSL-007 | 25-B-007 | 25ZSL-007 | - | Limit Switch | Vessel V-25001B Hydrogen vent system | VSL V-25001B | H2 VNT SYS | 123A90-DDL-PR-PID-80016 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 20 | 25-ZSH-007 | 25-B-007 | 25ZSH-007 | - | Limit Switch | Vessel V-25001B Hydrogen vent system | VSL V-25001B | H2 VNT SYS | 123A90-DDL-PR-PID-80016 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 21 | 25-ZSL-010 | 25-B-010 | 25ZSL-010 | - | Limit Switch | Vessel V-25001C Hydrogen vent system | VSL V-25001C | H2 VNT SYS | 123A90-DDL-PR-PID-80017 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 22 | 25-ZSH-010 | 25-B-010 | 25ZSH-010 | - | Limit Switch | Vessel V-25001C Hydrogen vent system | VSL V-25001C | H2 VNT SYS | 123A90-DDL-PR-PID-80017 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 23 | 25-ZSL-013 | 25-B-013 | 25ZSL-013 | - | Limit Switch | Vessel V-25001D Hydrogen vent system | VSL V-25001D | H2 VNT SYS | 123A90-DDL-PR-PID-80018 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 24 | 25-ZSH-013 | 25-B-013 | 25ZSH-013 | - | Limit Switch | Vessel V-25001D Hydrogen vent system | VSL V-25001D | H2 VNT SYS | 123A90-DDL-PR-PID-80018 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 25 | 25-ZSL-016 | 25-B-016 | 25ZSL-016 | - | Limit Switch | Vessel V-25001E Hydrogen vent system | VSL V-25001E | H2 VNT SYS | 123A90-DDL-PR-PID-80019 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 26 | 25-ZSH-016 | 25-B-016 | 25ZSH-016 | - | Limit Switch | Vessel V-25001E Hydrogen vent system | VSL V-25001E | H2 VNT SYS | 123A90-DDL-PR-PID-80019 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 27 | 25-ZSL-019 | 25-B-019 | 25ZSL-019 | - | Limit Switch | Vessel V-25001F Hydrogen vent system | VSL V-25001F | H2 VNT SYS | 123A90-DDL-PR-PID-80020 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 28 | 25-ZSH-019 | 25-B-019 | 25ZSH-019 | - | Limit Switch | Vessel V-25001F Hydrogen vent system | VSL V-25001F | H2 VNT SYS | 123A90-DDL-PR-PID-80020 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 29 | 950-ASD-01101 | 950-AS-01101 | 950ASD-01101 | - | Push button DPDT contact | FZ-01 abandon shutdown (ASD) | FZ-01 ASD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 30 | SIS001-UA-05 | SIS001-UA-05 | SIS001-UA-05 | | Cabinet Alarm | SCS0110 Program Enable/Disable Key Switch | SCS0110 PRG | ENBLE/DISBLE | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 31 | WS0110010315 | - | WS0110010315 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 32 | WS0110010316 | - | WS0110010316 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 33 | 83-XS-001A | 83-XS-001A | 83XS-001A | - | Command signal | SHUTDOWN SEAWATER LIFT PUMP P-50001A | SD S.WTR PMP | P-50001A | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - | NIS | - |
| 34 | 84-XS-007A | 84-XS-007A | 84XS-007A | - | Command signal | DISCONNECT AC UPS UP-200F3 BATTERIES A | DISC UP200F3 | BAT A | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - | NIS | - |
| 35 | 84-XS-008A | 84-XS-008A | 84XS-008A | - | Command signal | DISCONNECT AC UPS UP-200F4 BATTERIES A | DISC UP200F4 | BAT A | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - | NIS | - |
| 36 | 20-XS-001 | 20-XS-001 | 20XS-001 | - | Command signal | SHUT-DOWN A-20000 Electrolyser PKG | SD A-20000 | ELEC PKG | - | A-20000 | PKG | Package | SIS | DO | 24 Vdc | - | NIS | - |
| 37 | 25-BDY-005 | 25-B-005 | 25BDV-005 | - | Solenoid Valve | Vessel V-25001A Hydrogen vent system | VSL V-25001A | H2 VNT SYS | 123A90-DDL-PR-PID-80015 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 38 | 25-BDY-007 | 25-B-007 | 25BDV-007 | - | Solenoid Valve | Vessel V-25001B Hydrogen vent system | VSL V-25001B | H2 VNT SYS | 123A90-DDL-PR-PID-80016 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 39 | 25-BDY-010 | 25-B-010 | 25BDV-010 | - | Solenoid Valve | Vessel V-25001C Hydrogen vent system | VSL V-25001C | H2 VNT SYS | 123A90-DDL-PR-PID-80017 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 40 | 25-BDY-013 | 25-B-013 | 25BDV-013 | - | Solenoid Valve | Vessel V-25001D Hydrogen vent system | VSL V-25001D | H2 VNT SYS | 123A90-DDL-PR-PID-80018 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 41 | 25-BDY-016 | 25-B-016 | 25BDV-016 | - | Solenoid Valve | Vessel V-25001E Hydrogen vent system | VSL V-25001E | H2 VNT SYS | 123A90-DDL-PR-PID-80019 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 42 | 25-BDY-019 | 25-B-019 | 25BDV-019 | - | Solenoid Valve | Vessel V-25001F Hydrogen vent system | VSL V-25001F | H2 VNT SYS | 123A90-DDL-PR-PID-80020 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 43 | 25-BDY-022 | 25-B-022 | 25BDV-022 | - | Solenoid Valve | Hyrogen from vessels outlet header vent system | H2 FR VSL OL | HDR VNTSYS | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 44 | 25-SDY-001 | 25-S-001 | 25SDV-001 | - | Solenoid Valve | Hyrogen to vessels inlet header shut-down | H2 TO VSL | INLET HDR SD | 123A90-DDL-PR-PID-80013 | - | L | Field | SIS | DO | 24 Vdc | - | NIS | - |
| 45 | WS0110010513 | - | WS0110010513 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS | - |
| 46 | WS0110010514 | - | WS0110010514 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS | - |
| 47 | WS0110010515 | - | SPARE | - | - | SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS | - |
| 48 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS | - |
| 49 | 950-MOB-01101 | 950-MO-01101 | 950MOB-01101 | - | Push button DPDT contact | FZ-01 Man over board (MOB) | FZ-01 MOB | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 50 | 950-ESD-01101 | 950-ES-01101 | 950ESD-01101 | - | Push button DPDT contact | FZ-01 emergency shut down (ESD) | FZ-01 ESD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 51 | 950-ESDD-01101 | 950-ED-01101 | 950ESDD-01101 | - | Push button DPDT contact | FZ-01 depress. emergency shut down (ESDD) | FZ-01 ESDD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 52 | 950-ASD-04101 | 950-AS-04101 | 950ASD-04101 | - | Push button DPDT contact | FZ-04 abandon shutdown (ASD) | FZ-04 ASD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 53 | 950-MOB-04101 | 950-MO-04101 | 950MOB-04101 | - | Push button DPDT contact | FZ-04 Man over board (MOB) | FZ-04 MOB | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 54 | 950-ESD-04101 | 950-ES-04101 | 950ESD-04101 | - | Push button DPDT contact | FZ-04 emergency shut down (ESD) | FZ-04 ESD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 55 | 950-ESDD-04101 | 950-ED-04101 | 950ESDD-04101 | - | Push button DPDT contact | FZ-04 depress. emergency shut down (ESDD) | FZ-04 ESDD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 56 | 25-ZSL-001 | 25-S-001 | 25ZSL-001 | - | Limit Switch | Hyrogen to vessels inlet header shut-down | H2 TO VSL | INLET HDR SD | 123A90-DDL-PR-PID-80013 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 57 | 25-ZSH-001 | 25-S-001 | 25ZSH-001 | - | Limit Switch | Hyrogen to vessels inlet header shut-down | H2 TO VSL | INLET HDR SD | 123A90-DDL-PR-PID-80013 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 58 | 25-ZSL-023 | 25-S-023 | 25ZSL-023 | - | Limit Switch | Hyrogen from vessels outlet header shut-down | H2 FR VSL OL | HDR SD | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 59 | 25-ZSH-023 | 25-S-023 | 25ZSH-023 | - | Limit Switch | Hyrogen from vessels outlet header shut-down | H2 FR VSL OL | HDR SD | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 60 | 25-ZSL-022 | 25-B-022 | 25ZSL-022 | - | Limit Switch | Hyrogen from vessels outlet header vent system | H2 FR VSL OL | HDR VNTSYS | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 61 | 25-ZSH-022 | 25-B-022 | 25ZSH-022 | - | Limit Switch | Hyrogen from vessels outlet header vent system | H2 FR VSL OL | HDR VNTSYS | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 62 | WS0110020114 | - | WS0110020114 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 63 | WS0110020115 | - | WS0110020115 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 64 | WS0110020116 | - | WS0110020116 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - | NIS | - |
| 65 | 64-ZSL-001 | 64-S-001 | 64ZSL-001 | - | Limit Switch | Nitrogen to distribution header shut-down | N2 TO DISTB | HDR SD | 123A90-DDL-PR-PID-80027 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 66 | 64-ZSH-001 | 64-S-001 | 64ZSH-001 | - | Limit Switch | Nitrogen to distribution header shut-down | N2 TO DISTB | HDR SD | 123A90-DDL-PR-PID-80027 | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | NO |
| 67 | 950-ASD-03101 | 950-AS-03101 | 950ASD-03101 | - | Push button DPDT contact | FZ-03 abandon shutdown (ASD) | FZ-03 ASD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 68 | 950-MOB-03101 | 950-MO-03101 | 950MOB-03101 | - | Push button DPDT contact | FZ-03 Man over board (MOB) | FZ-03 MOB | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 69 | 950-ESD-03101 | 950-ES-03101 | 950ESD-03101 | - | Push button DPDT contact | FZ-03 emergency shut down (ESD) | FZ-03 ESD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |
| 70 | 950-ESDD-03101 | 950-ED-03101 | 950ESDD-03101 | - | Push button DPDT contact | FZ-03 depress. emergency shut down (ESDD) | FZ-03 ESDD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - | NIS | YES |

| S.No | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR1 | - | - | - | - |
| 2 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR2 | - | - | - | - |
| 3 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR3 | - | - | - | - |
| 4 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR4 | - | - | - | - |
| 5 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR5 | - | - | - | - |
| 6 | barg | 0 | 40 | Hold-3 | Hold-3 | Hold-3 | 38 | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR6 | - | - | - | - |
| 7 | barg | 0 | 40 | Hold-3 | Hold-3 | 36 | Hold-3 | - | - | - | - | - | - | 00-JE-21002 | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 8 | barg | 0 | 10 | 2 | Hold-3 | Hold-3 | 9 | - | - | - | - | - | - | 00-JE-21002 | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 9 | barg | 0 | 10 | 3.5 | 4 | Hold-3 | Hold-3 | - | - | - | - | - | - | 00-JE-21002 | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - |
| 10 | barg | 0 | 11 | 4 | | | | - | - | - | - | - | - | - | C-63-PT-004/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR5 | - | - | - | - |
| 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR6 | - | - | - | - |
| 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR7 | - | - | - | - |
| 14 | mmH2O | 0 | 560 | - | - | - | - | - | - | - | - | - | - | 00-JE-21002 | 00-JE-21002 / B400-SIS-001 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR8 | - | - | - | - |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-21001 | 00-JE-21001/B400-SIS-001 | 12x2x0.75 mm2 | PR9 | - | - | - | - |
| 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR1 | - | - | - | - |
| 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR2 | - | - | - | - |
| 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR3 | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR4 | - | - | - | - |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR5 | - | - | - | - |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR6 | - | - | - | - |
| 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR7 | - | - | - | - |
| 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR8 | - | - | - | - |
| 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR9 | - | - | - | - |
| 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR10 | - | - | - | - |
| 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR1 | - | - | - | - |
| 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR2 | - | - | - | - |
| 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR3 | - | - | - | - |
| 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | | Internal wiring | | | - | - | - | - |
| 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR11 | - | - | - | - |
| 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_1/B400-SIS-001 | 12x2x0.75 mm2 | PR12 | - | - | - | - |
| 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SG-200N1-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CB-200F3A/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 35 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CB-200F4A/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 36 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-20-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 37 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 3BK, 4BK | - | - | - | - |
| 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 5BK, 6BK | - | - | - | - |
| 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 7BK, 8BK | - | - | - | - |
| 41 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 9BK, 10BK | - | - | - | - |
| 42 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23001 | 00-JE-23001/B400-SIS-001 | 12x2.5 mm2 | 11BK, 12BK | - | - | - | - |
| 43 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 5BK, 6BK | - | - | - | - |
| 44 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 45 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 3BK, 4BK | - | - | - | - |
| 46 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 11BK, 12BK | - | - | - | - |
| 47 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 48 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 49 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR4 | - | - | - | - |
| 50 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR5 | - | - | - | - |
| 51 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR6 | - | - | - | - |
| 52 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR7 | - | - | - | - |
| 53 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR8 | - | - | - | - |
| 54 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR9 | - | - | - | - |
| 55 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR10 | - | - | - | - |
| 56 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR1 | - | - | - | - |
| 57 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR2 | - | - | - | - |
| 58 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR3 | - | - | - | - |
| 59 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR4 | - | - | - | - |
| 60 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR5 | - | - | - | - |
| 61 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR6 | - | - | - | - |
| 62 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR10 | - | - | - | - |
| 63 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR11 | - | - | - | - |
| 64 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR12 | - | - | - | - |
| 65 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR7 | - | - | - | - |
| 66 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR8 | - | - | - | - |
| 67 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_1/B400-SIS-001 | 12x2x0.75 mm2 | PR9 | - | - | - | - |
| 68 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR1 | - | - | - | - |
| 69 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR2 | - | - | - | - |
| 70 | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR3 | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SCS0110 | 01 | 01 | 01 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 01A | 01B | TB-00-JE-21001 | 1 | 2 | - | - | - | 02 | SIS_AI01 | |
| 2 | SCS0110 | 01 | 01 | 02 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 02A | 02B | TB-00-JE-21001 | 3 | 4 | - | - | - | 02 | SIS_AI01 | |
| 3 | SCS0110 | 01 | 01 | 03 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 03A | 03B | TB-00-JE-21001 | 5 | 6 | - | - | - | 02 | SIS_AI01 | |
| 4 | SCS0110 | 01 | 01 | 04 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 04A | 04B | TB-00-JE-21001 | 7 | 8 | - | - | - | 02 | SIS_AI01 | |
| 5 | SCS0110 | 01 | 01 | 05 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 05A | 05B | TB-00-JE-21001 | 9 | 10 | - | - | - | 02 | SIS_AI01 | |
| 6 | SCS0110 | 01 | 01 | 06 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 06A | 06B | TB-00-JE-21001 | 11 | 12 | - | - | - | 02 | SIS_AI01 | |
| 7 | SCS0110 | 01 | 01 | 07 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 07A | 07B | TB-00-JE-21002 | 1 | 2 | - | - | - | 02 | SIS_AI01 | |
| 8 | SCS0110 | 01 | 01 | 08 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 08A | 08B | TB-00-JE-21002 | 3 | 4 | - | - | - | 02 | SIS_AI01 | |
| 9 | SCS0110 | 01 | 01 | 09 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 09A | 09B | TB-00-JE-21002 | 7 | 8 | - | - | - | 02 | SIS_AI01 | |
| 10 | SCS0110 | 01 | 01 | 10 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 10A | 10B | TB-63-PT-004 | 1 | 2 | - | - | - | 02 | SIS_AI01 | |
| 11 | SCS0110 | 01 | 01 | 11 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 11A | 11B | TB-00-JE-21002 | 9 | 10 | - | - | - | 02 | SIS_AI01 | |
| 12 | SCS0110 | 01 | 01 | 12 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 12A | 12B | TB-00-JE-21002 | 11 | 12 | - | - | - | 02 | SIS_AI01 | |
| 13 | SCS0110 | 01 | 01 | 13 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 13A | 13B | TB-00-JE-21001 | 13 | 14 | - | - | - | 02 | SIS_AI01 | |
| 14 | SCS0110 | 01 | 01 | 14 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 14A | 14B | TB-00-JE-21002 | 5 | 6 | - | - | - | 02 | SIS_AI01 | |
| 15 | SCS0110 | 01 | 01 | 15 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 15A | 15B | TB-00-JE-21001 | 15 | 16 | - | - | - | 02 | SIS_AI01 | |
| 16 | SCS0110 | 01 | 01 | 16 | B400-SIS-001 | TB-01-01 | SBA4D-06 | SAI143 | B400-SIS-001 | 16A | 16B | TB-00-JE-21001 | 17 | 18 | - | - | - | 02 | SIS_AI01 | |
| 17 | SCS0110 | 01 | 03 | 01 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 01A | 01B | TB-00-JE-22001 | 1 | 2 | - | - | - | 02 | SIS_DI01 | |
| 18 | SCS0110 | 01 | 03 | 02 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 02A | 02B | TB-00-JE-22001 | 3 | 4 | - | - | - | 02 | SIS_DI01 | |
| 19 | SCS0110 | 01 | 03 | 03 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 03A | 03B | TB-00-JE-22001 | 5 | 6 | - | - | - | 02 | SIS_DI01 | |
| 20 | SCS0110 | 01 | 03 | 04 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 04A | 04B | TB-00-JE-22001 | 7 | 8 | - | - | - | 02 | SIS_DI01 | |
| 21 | SCS0110 | 01 | 03 | 05 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 05A | 05B | TB-00-JE-22001 | 9 | 10 | - | - | - | 02 | SIS_DI01 | |
| 22 | SCS0110 | 01 | 03 | 06 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 06A | 06B | TB-00-JE-22001 | 11 | 12 | - | - | - | 02 | SIS_DI01 | |
| 23 | SCS0110 | 01 | 03 | 07 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 07A | 07B | TB-00-JE-22001 | 13 | 14 | - | - | - | 02 | SIS_DI01 | |
| 24 | SCS0110 | 01 | 03 | 08 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 08A | 08B | TB-00-JE-22001 | 15 | 16 | - | - | - | 02 | SIS_DI01 | |
| 25 | SCS0110 | 01 | 03 | 09 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 09A | 09B | TB-00-JE-22001 | 17 | 18 | - | - | - | 02 | SIS_DI01 | |
| 26 | SCS0110 | 01 | 03 | 10 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 10A | 10B | TB-00-JE-22001 | 19 | 20 | - | - | - | 02 | SIS_DI01 | |
| 27 | SCS0110 | 01 | 03 | 11 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 11A | 11B | TB-00-JE-22001 | 25 | 26 | - | - | - | 02 | SIS_DI01 | |
| 28 | SCS0110 | 01 | 03 | 12 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 12A | 12B | TB-00-JE-22001 | 27 | 28 | - | - | - | 02 | SIS_DI01 | |
| 29 | SCS0110 | 01 | 03 | 13 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 13A | 13B | TB-00-JE-22001 | 29 | 30 | - | - | - | 02 | SIS_DI01 | |
| 30 | SCS0110 | 01 | 03 | 14 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 14A | 14B | | | | - | - | - | 02 | SIS_DI01 | |
| 31 | SCS0110 | 01 | 03 | 15 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 15A | 15B | TB-00-JE-22001 | 21 | 22 | - | - | - | 02 | SIS_DI01 | |
| 32 | SCS0110 | 01 | 03 | 16 | B400-SIS-001 | TB-01-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 16A | 16B | TB-00-JE-22001 | 23 | 24 | - | - | - | 02 | SIS_DI01 | |
| 33 | SCS0110 | 01 | 05 | 01 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 01A | 01B | TB-XS-000 | 1 | 2 | 1+ | - | - | 02 | SIS_DO2 | |
| 34 | SCS0110 | 01 | 05 | 02 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 02A | 02B | TB-XS-000 | 3 | 4 | 2+ | - | - | 02 | SIS_DO2 | |
| 35 | SCS0110 | 01 | 05 | 03 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 03A | 03B | TB-XS-000 | 5 | 6 | 3+ | - | - | 02 | SIS_DO2 | |
| 36 | SCS0110 | 01 | 05 | 04 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 04A | 04B | TB-XS-000 | 7 | 8 | 4+ | - | - | 02 | SIS_DO2 | |
| 37 | SCS0110 | 01 | 05 | 05 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 05A | 05B | TB-00-JE-23001 | 1 | 2 | 5+ | - | - | 02 | SIS_DO2 | |
| 38 | SCS0110 | 01 | 05 | 06 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 06A | 06B | TB-00-JE-23001 | 3 | 4 | 6+ | - | - | 02 | SIS_DO2 | |
| 39 | SCS0110 | 01 | 05 | 07 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 07A | 07B | TB-00-JE-23001 | 5 | 6 | 7+ | - | - | 02 | SIS_DO2 | |
| 40 | SCS0110 | 01 | 05 | 08 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 08A | 08B | TB-00-JE-23001 | 7 | 8 | 8+ | - | - | 02 | SIS_DO2 | |
| 41 | SCS0110 | 01 | 05 | 09 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 09A | 09B | TB-00-JE-23001 | 9 | 10 | 9+ | - | - | 02 | SIS_DO2 | |
| 42 | SCS0110 | 01 | 05 | 10 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 10A | 10B | TB-00-JE-23001 | 11 | 12 | 10+ | - | - | 02 | SIS_DO2 | |
| 43 | SCS0110 | 01 | 05 | 11 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 11A | 11B | TB-00-JE-23002 | 5 | 6 | 13+ | - | - | 02 | SIS_DO2 | |
| 44 | SCS0110 | 01 | 05 | 12 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 12A | 12B | TB-00-JE-23002 | 1 | 2 | 11+ | - | - | 02 | SIS_DO2 | |
| 45 | SCS0110 | 01 | 05 | 13 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 13A | 13B | TB-00-JE-23002 | 3 | 4 | 12+ | - | - | 02 | SIS_DO2 | |
| 46 | SCS0110 | 01 | 05 | 14 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 14A | 14B | TB-00-JE-23002 | 11 | 12 | 16+ | - | - | 02 | SIS_DO2 | |
| 47 | SCS0110 | 01 | 05 | 15 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 15A | 15B | - | - | - | - | - | - | 02 | | |
| 48 | SCS0110 | 01 | 05 | 16 | B400-SIS-001 | TB-01-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 16A | 16B | - | - | - | - | - | - | 02 | | |
| 49 | SCS0110 | 02 | 01 | 01 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 01A | 01B | TB-00-JE-22001 | 31 | 32 | - | - | - | 02 | SIS_DI01 | |
| 50 | SCS0110 | 02 | 01 | 02 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 02A | 02B | TB-00-JE-22001 | 33 | 34 | - | - | - | 02 | SIS_DI01 | |
| 51 | SCS0110 | 02 | 01 | 03 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 03A | 03B | TB-00-JE-22001 | 35 | 36 | - | - | - | 02 | SIS_DI01 | |
| 52 | SCS0110 | 02 | 01 | 04 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 04A | 04B | TB-00-JE-22001 | 37 | 38 | - | - | - | 02 | SIS_DI01 | |
| 53 | SCS0110 | 02 | 01 | 05 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 05A | 05B | TB-00-JE-22001 | 39 | 40 | - | - | - | 02 | SIS_DI01 | |
| 54 | SCS0110 | 02 | 01 | 06 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 06A | 06B | TB-00-JE-22001 | 41 | 42 | - | - | - | 02 | SIS_DI01 | |
| 55 | SCS0110 | 02 | 01 | 07 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 07A | 07B | TB-00-JE-22001 | 43 | 44 | - | - | - | 02 | SIS_DI01 | |
| 56 | SCS0110 | 02 | 01 | 08 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 08A | 08B | TB-00-JE-22002 | 1 | 2 | - | - | - | 02 | SIS_DI01 | |
| 57 | SCS0110 | 02 | 01 | 09 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 09A | 09B | TB-00-JE-22002 | 3 | 4 | - | - | - | 02 | SIS_DI01 | |
| 58 | SCS0110 | 02 | 01 | 10 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 10A | 10B | TB-00-JE-22002 | 5 | 6 | - | - | - | 02 | SIS_DI01 | |
| 59 | SCS0110 | 02 | 01 | 11 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 11A | 11B | TB-00-JE-22002 | 7 | 8 | - | - | - | 02 | SIS_DI01 | |
| 60 | SCS0110 | 02 | 01 | 12 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 12A | 12B | TB-00-JE-22002 | 9 | 10 | - | - | - | 02 | SIS_DI01 | |
| 61 | SCS0110 | 02 | 01 | 13 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 13A | 13B | TB-00-JE-22002 | 11 | 12 | - | - | - | 02 | SIS_DI01 | |
| 62 | SCS0110 | 02 | 01 | 14 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 14A | 14B | TB-00-JE-22002 | 19 | 20 | - | - | - | 02 | SIS_DI01 | |
| 63 | SCS0110 | 02 | 01 | 15 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 15A | 15B | TB-00-JE-22002 | 21 | 22 | - | - | - | 02 | SIS_DI01 | |
| 64 | SCS0110 | 02 | 01 | 16 | B400-SIS-001 | TB-02-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 16A | 16B | TB-00-JE-22002 | 23 | 24 | - | - | - | 02 | SIS_DI01 | |
| 65 | SCS0110 | 02 | 03 | 01 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 01A | 01B | TB-00-JE-22002 | 13 | 14 | - | - | - | 02 | SIS_DI01 | |
| 66 | SCS0110 | 02 | 03 | 02 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 02A | 02B | TB-00-JE-22002 | 15 | 16 | - | - | - | 02 | SIS_DI01 | |
| 67 | SCS0110 | 02 | 03 | 03 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 03A | 03B | TB-00-JE-22002 | 17 | 18 | - | - | - | 02 | SIS_DI01 | |
| 68 | SCS0110 | 02 | 03 | 04 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 04A | 04B | TB-00-JE-22002 | 25 | 26 | - | - | - | 02 | SIS_DI01 | |
| 69 | SCS0110 | 02 | 03 | 05 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 05A | 05B | TB-00-JE-22002 | 27 | 28 | - | - | - | 02 | SIS_DI01 | |
| 70 | SCS0110 | 02 | 03 | 06 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 06A | 06B | TB-00-JE-22002 | 29 | 30 | - | - | - | 02 | SIS_DI01 | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## SIS

| S.No | TAG_NAME | LOOP_NAME | SIS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 950-ASD-06101 | 950-AS-06101 | 950ASD-06101 | - | Push button DPDT contact | FZ-06 abandon shutdown (ASD) | FZ-06 ASD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 72 | 950-MOB-06101 | 950-MO-06101 | 950MOB-06101 | - | Push button DPDT contact | FZ-06 Man over board (MOB) | FZ-06 MOB | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 73 | 950-ESD-06101 | 950-ES-06101 | 950ESD-06101 | - | Push button DPDT contact | FZ-06 emergency shut down (ESD) | FZ-06 ESD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 74 | 950-ESDD-06101 | 950-ED-06101 | 950ESDD-06101 | - | Push button DPDT contact | FZ-06 depress. emergency shut down (ESDD) | FZ-06 ESDD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 75 | 950-ASD-07101 | 950-AS-07101 | 950ASD-07101 | - | Push button DPDT contact | FZ-07 abandon shutdown (ASD) | FZ-07 ASD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 76 | 950-MOB-07101 | 950-MO-07101 | 950MOB-07101 | - | Push button DPDT contact | FZ-07 Man over board (MOB) | FZ-07 MOB | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 77 | 950-ESD-07101 | 950-ES-07101 | 950ESD-07101 | - | Push button DPDT contact | FZ-07 emergency shut down (ESD) | FZ-07 ESD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 78 | 950-ESDD-07101 | 950-ED-07101 | 950ESDD-07101 | - | Push button DPDT contact | FZ-07 depress. emergency shut down (ESDD) | FZ-07 ESDD | | - | - | L | Field | SIS | DI | FVC-24Vdc | - |
| 79 | WS0110020315 | - | WS0110020315 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 80 | WS0110020316 | - | WS0110020316 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 81 | 83-XS-001B | 83-XS-001B | 83XS-001B | - | Command signal | SHUTDOWN SEAWATER LIFT PUMP P-50001B | SD S.WTR PMP | P-50001B | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 82 | 84-XS-007B | 84-XS-007B | 84XS-007B | - | Command signal | DISCONNECT AC UPS UP-200F3 BATTERIES B | DISC UP200F3 | BAT B | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 83 | 84-XS-008B | 84-XS-008B | 84XS-008B | - | Command signal | DISCONNECT AC UPS UP-200F4 BATTERIES B | DISC UP200F4 | BAT B | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 84 | 25-SDY-023 | 25-S-023 | 25SDV-023 | - | Solenoid Valve | Hyrogen from vessels outlet header shut-down | H2 FR VSL OL | HDR SD | 123A90-DDL-PR-PID-80014 | - | L | Field | SIS | DO | 24 Vdc | - |
| 85 | 50-XS-001 | 50-XS-001 | 50XS-001 | - | Command signal | SHUT-DOWN A-500003 Sea water treatment PKG | SD A-50000 | SWTP | | A-50003 | PKG | Package | SIS | DO | 24 Vdc | - |
| 86 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 87 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 88 | 63-XS-001 | 63-XS-001 | 63XS-001 | - | Command signal | SHUT-DOWN A-63000 Instrument air PKG | SD A-63000 | INST AIR PKG | - | A-63000 | PKG | Package | SIS | DO | 24 Vdc | - |
| 89 | 64-SDY-001 | 64-S-001 | 64SDV-001 | - | Solenoid Valve | Nitrogen to distribution header shut-down | N2 TO DISTB | HDR SD | 123A90-DDL-PR-PID-80027 | - | L | Field | SIS | DO | 24 Vdc | - |
| 90 | 64-XS-001 | 64-XS-001 | 64XS-001 | - | Command signal | SHUT-DOWN U-64000 Nitrogen PKG | SD A-64000 | N2 PKG | - | U-64000 | PKG | Package | SIS | DO | 24 Vdc | - |
| 91 | 77-XS-001 | 77-XS-001 | 77XS-001 | - | Command signal | SHUT-DOWN B-100 HV/MV SWGR room HVAC | SD B-100 HV | MV SW.R HVAC | - | - | BLD | Building | SIS | DO | 24 Vdc | - |
| 92 | 77-XS-002 | 77-XS-002 | 77XS-002 | - | Command signal | SHUT-DOWN B-200 LV SWGR room HVAC | SD B-200 LV | SW.R HVAC | - | - | BLD | Building | SIS | DO | 24 Vdc | - |
| 93 | WS0110020513 | - | WS0110020513 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | FVC-24Vdc | - |
| 94 | WS0110020514 | - | WS0110020514 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | FVC-24Vdc | - |
| 95 | WS0110020515 | - | SPARE | - | - | SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 96 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 97 | 77-XS-003 | 77-XS-003 | 77XS-003 | - | Command signal | SHUT-DOWN B-300 UPS room HVAC | SD B-300 UPS | RM HVAC | - | - | BLD | Building | SIS | DO | 24 Vdc | - |
| 98 | 77-XS-004 | 77-XS-004 | 77XS-004 | - | Command signal | SHUT-DOWN B-400 I&T equip. Room HVAC | SD B-400 I&T | EQ. RM HVAC | - | - | BLD | Building | SIS | DO | 24 Vdc | - |
| 99 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 100 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 101 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 102 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 103 | 80-XS-001 | 80-XS-001 | 80XS-001 | - | Command signal | SHUT-DOWN A-80000 Fuel cell PKG | SD A-80000 | FUEL CEL PKG | - | A-80000 | PKG | Package | SIS | DO | 24 Vdc | - |
| 104 | 81-XS-001 | 81-XS-001 | 81XS-001 | - | Command signal | OPEN WIND FARM INCOMING CIRCUIT BREAKERS | OPN WIND FRM | INC CKT BRK | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 105 | 82-XS-001 | 82-XS-001 | 82XS-001 | - | Command signal | OPEN SOLAR INCOMING CIRCUIT BREAKERS | OPN SOLAR | INC CKT BRK | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 106 | 82-XS-002 | 82-XS-002 | 82XS-002 | - | Command signal | OPEN BESS A-85000 INCOMING CIRCUIT BREAKERS | OPN BESS | A85000 IN CB | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 107 | 82-XS-003 | 82-XS-003 | 82XS-003 | - | Command signal | OPEN FUEL CELL A-80000 INCOMING CIRCUIT BREAKERS | OPN F.C | A80000 IN CB | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 108 | 84-XS-001 | 84-XS-001 | 84XS-001 | - | Command signal | ELECT. ISOLATION UPS POWER UCP (WATER TREAT. A-50000) | ELECT. ISOL | WTP A-50000 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 109 | WS0110020713 | - | SPARE | - | - | SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 110 | WS0110020714 | - | SPARE | - | - | SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 111 | WS0110020715 | - | SPARE | - | - | SPARE | WIRED SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 112 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |
| 113 | 85-XA-003 | 85-XA-003 | 85XA-003 | - | Status signal | A-85000 BESS PKG UCP fault | A-85000 BESS | PKG UCP FLT | - | A-85000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 114 | 20-XA-003 | 20-XA-003 | 20XA-003 | - | Status signal | A-20000 Electrolyser PKG UCP fault | A-20000ELEC | PKG UCP FLT | - | A-20000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 115 | 80-XA-003 | 80-XA-003 | 80XA-003 | - | Status signal | A-80000 Fuel cell PKG UCP fault | A-80000 F.C | PKG UCP FLT | - | A-80000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 116 | 50-XA-003 | 50-XA-003 | 50XA-003 | - | Status signal | A-500003 Sea water treatment PKG F&G LCP fault | A-50000 | WTP FLT | - | A-50003 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 117 | 63-XA-003 | 63-XA-003 | 63XA-003 | - | Status signal | A-63000 Instrument air PKG fault | A-63000 INST | AIR PKG FLT | - | A-63000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 118 | 64-XA-003 | 64-XA-003 | 64XA-003 | - | Status signal | A-64000 Nitrogen PKG fault | A-64000 N2 | PKG FLT | - | A-64000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 119 | 77-XA-001 | 77-XA-001 | 77XA-001 | - | Status signal | B-100 HV/MV SWGR room HVAC fault | B-100 HV/MV | S.R HVAC FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - |
| 120 | 77-XA-002 | 77-XA-002 | 77XA-002 | - | Status signal | B-200 LV SWGR room HVAC fault | B-200 LV SW. | RM HVAC FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - |
| 121 | 77-XA-003 | 77-XA-003 | 77XA-003 | - | Status signal | B-300 UPS room HVAC fault | B-300 UPS RM | HVAC FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - |
| 122 | 77-XA-004 | 77-XA-004 | 77XA-004 | - | Status signal | B-400 I&T equip. Room HVAC fault | B-400 I&T | E.R HVAC FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - |
| 123 | 72-XA-001 | 72-XA-001 | 72XA-001 | - | Status signal | Wave-off light system fault | WAVE OFF | LIGT SYS FLT | | - | BLD | Building | SIS | DI | FVC-24Vdc | - |
| 124 | 85-XA-004 | 85-XA-004 | 85XA-004 | - | Status signal | A-85000 BESS PKG UCP thermal run away | A-85000 BESS | THRM RUN AWY | | A-85000 | PKG | Package | SIS | DI | FVC-24Vdc | - |
| 125 | WS0110030113 | - | WS0110030113 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 126 | WS0110030114 | - | WS0110030114 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 127 | WS0110030115 | - | WS0110030115 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 128 | WS0110030116 | - | WS0110030116 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | SIS | DI | FVC-24Vdc | - |
| 129 | 84-XS-002 | 84-XS-002 | 84XS-002 | - | Command signal | ELECT. ISOLATION UPS POWER UCP (NITROGEN A-64000) | ELECT. ISOL | N2 A-64000 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 130 | 84-XS-003 | 84-XS-003 | 84XS-003 | - | Command signal | ELECT. ISOLATION UPS POWER UCP (INSTRUMENT AIR A-63000) | ELECT. ISOL | ITA A-63000 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 131 | 84-XS-004 | 84-XS-004 | 84XS-004 | - | Command signal | ELECT. ISOLATION UPS POWER UCP HVAC B-100 | ELECT ISOL | UPS PWR B100 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 132 | 84-XS-005 | 84-XS-005 | 84XS-005 | - | Command signal | ELECT. ISOLATION UPS POWER UCP HVAC B-200 | ELECT ISOL | UPS PWR B200 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 133 | 84-XS-006 | 84-XS-006 | 84XS-006 | - | Command signal | DISCONNECT DC UPS (B-100 CONTAINER) | DISC DC UPS | B-100 CONT | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 134 | 84-XS-009 | 84-XS-009 | 84XS-009 | - | Command signal | INHIBIT. BATTERY CHARGING B-100 | INHIBIT. BAT | CHG B-100 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 135 | 84-XS-010 | 84-XS-010 | 84XS-010 | - | Command signal | INHIBIT. BATTERY CHARGING AC UPS UP-200F3 BATTERIES | INB BAT CHG | UPS UP-200F3 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 136 | 84-XS-011 | 84-XS-011 | 84XS-011 | - | Command signal | INHIBIT. BATTERY CHARGING AC UPS UP-200F4 BATTERIES | INB BAT CHG | UPS UP-200F4 | - | - | BLD | Elec. Cabinet | SIS | DO | 24 Vdc | - |
| 137 | 85-XS-001 | 85-XS-001 | 85XS-001 | - | Command signal | SHUT-DOWN A-85000 BESS PKG | SD A-85000 | BESS PKG | - | A-85000 | PKG | Package | SIS | DO | 24 Vdc | - |
| 138 | 79-XS-010A | 79-XS-010A | 79XS-010A | - | Command signal | POWER CUT-OUT FW003 AND FW004 | | | - | - | NET | - | SIS | DO | 24 Vdc | - |
| 139 | 79-XS-010B | 79-XS-010B | 79XS-010B | | Command signal | POWER CUT-OUT SWITCHES | | | - | - | NET | - | SIS | DO | 24 Vdc | - |
| 140 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - |

| S.No | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR4 | - | - | - | - |
| 72 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR5 | - | - | - | - |
| 73 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR6 | - | - | - | - |
| 74 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR7 | - | - | - | - |
| 75 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR8 | - | - | - | - |
| 76 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR9 | - | - | - | - |
| 77 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR10 | - | - | - | - |
| 78 | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR11 | - | - | - | - |
| 79 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22002 | 00-JE-22002_2/B400-SIS-001 | 12x2x0.75 mm2 | PR12 | - | - | - | - |
| 80 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-22001 | 00-JE-22001_2/B400-SIS-001 | 12x2x0.75 mm2 | PR11 | - | - | - | - |
| 81 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SG-200N1-002/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 82 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CB-200F3B/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 83 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CB-200F4B/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 84 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 7BK, 8BK | - | - | - | - |
| 85 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-50-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 86 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 87 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 88 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-63-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 89 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 00-JE-23002 | 00-JE-23002/B400-SIS-001 | 12x2.5 mm2 | 9BK, 10BK | - | - | - | - |
| 90 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-64-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 91 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 92 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XS-002/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 93 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 94 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 95 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 96 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 97 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XS-003/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 98 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XS-004/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 99 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 100 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 101 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 102 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 103 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-80-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 104 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CP-100E1/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 105 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SG-100D1-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 106 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SG-100D1-002/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 107 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SG-100D1-003/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 108 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 109 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 110 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 111 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 112 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 113 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | P320PLC/B400-SIS-001 | 2x2x0.75 mm2 | PR1 | | | | |
| 114 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-20-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | | | | |
| 115 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-80-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | | | | |
| 116 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-50-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | | | | |
| 117 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-63-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | | | | |
| 118 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-64-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | | | | |
| 119 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XA-001/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 120 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XA-002/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 121 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XA-003/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 122 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-XA-004/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 123 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-NC-200F2/B400-SIS-001 | 1x2x0.75 mm2 | PR1 | - | - | - | - |
| 124 | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | P320PLC/B400-SIS-001 | 2x2x0.75 mm2 | PR2 | | | | |
| 125 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 126 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 127 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 128 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 129 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 3BK, 4BK | - | - | - | - |
| 130 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 5BK, 6BK | - | - | - | - |
| 131 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 7BK, 8BK | - | - | - | - |
| 132 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 9BK, 10BK | - | - | - | - |
| 133 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | CB-200F1/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 134 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F1/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 135 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F3/B400-SIS-001 | 12x2.5 mm2 | 11BK, 12BK | - | - | - | - |
| 136 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | UP-200F4/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | - | - | - | - |
| 137 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-85-XS-001/B400-SIS-001 | 2x2.5 mm2 | 1BK, 2BK | | | | |
| 138 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 139 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 140 | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | SCS0110 | 02 | 03 | 07 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 07A | 07B | TB-00-JE-22002 | 31 | 32 | - | - | - | 02 | SIS_DI01 | |
| 72 | SCS0110 | 02 | 03 | 08 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 08A | 08B | TB-00-JE-22002 | 33 | 34 | - | - | - | 02 | SIS_DI01 | |
| 73 | SCS0110 | 02 | 03 | 09 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 09A | 09B | TB-00-JE-22002 | 35 | 36 | - | - | - | 02 | SIS_DI01 | |
| 74 | SCS0110 | 02 | 03 | 10 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 10A | 10B | TB-00-JE-22002 | 37 | 38 | - | - | - | 02 | SIS_DI01 | |
| 75 | SCS0110 | 02 | 03 | 11 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 11A | 11B | TB-00-JE-22002 | 39 | 40 | - | - | - | 02 | SIS_DI01 | |
| 76 | SCS0110 | 02 | 03 | 12 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 12A | 12B | TB-00-JE-22002 | 41 | 42 | - | - | - | 02 | SIS_DI01 | |
| 77 | SCS0110 | 02 | 03 | 13 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 13A | 13B | TB-00-JE-22002 | 43 | 44 | - | - | - | 02 | SIS_DI01 | |
| 78 | SCS0110 | 02 | 03 | 14 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 14A | 14B | TB-00-JE-22002 | 45 | 46 | - | - | - | 02 | SIS_DI01 | |
| 79 | SCS0110 | 02 | 03 | 15 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 15A | 15B | TB-00-JE-22002 | 47 | 48 | - | - | - | 02 | SIS_DI01 | |
| 80 | SCS0110 | 02 | 03 | 16 | B400-SIS-001 | TB-02-03 | SBD4D-06 | SDV144 | B400-SIS-001 | 16A | 16B | TB-00-JE-22001 | 45 | 46 | - | - | - | 02 | SIS_DI01 | |
| 81 | SCS0110 | 02 | 05 | 01 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 01A | 01B | TB-XS-000 | 9 | 10 | 17+ | - | - | 02 | SIS_DO2 | |
| 82 | SCS0110 | 02 | 05 | 02 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 02A | 02B | TB-XS-000 | 11 | 12 | 18+ | - | - | 02 | SIS_DO2 | |
| 83 | SCS0110 | 02 | 05 | 03 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 03A | 03B | TB-XS-000 | 13 | 14 | 19+ | - | - | 02 | SIS_DO2 | |
| 84 | SCS0110 | 02 | 05 | 04 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 04A | 04B | TB-00-JE-23002 | 7 | 8 | 14+ | - | - | 02 | SIS_DO2 | |
| 85 | SCS0110 | 02 | 05 | 05 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 05A | 05B | TB-XS-000 | 15 | 16 | 20+ | - | - | 02 | SIS_DO2 | |
| 86 | SCS0110 | 02 | 05 | 06 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 06A | 06B | - | - | - | - | - | - | 02 | | |
| 87 | SCS0110 | 02 | 05 | 07 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 07A | 07B | - | - | - | - | - | - | 02 | | |
| 88 | SCS0110 | 02 | 05 | 08 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 08A | 08B | TB-XS-000 | 17 | 18 | 21+ | - | - | 02 | SIS_DO2 | |
| 89 | SCS0110 | 02 | 05 | 09 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 09A | 09B | TB-00-JE-23002 | 9 | 10 | 15+ | - | - | 02 | SIS_DO2 | |
| 90 | SCS0110 | 02 | 05 | 10 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 10A | 10B | TB-XS-000 | 19 | 20 | 21+ | - | - | 02 | SIS_DO2 | |
| 91 | SCS0110 | 02 | 05 | 11 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 11A | 11B | TB-XS-000 | 21 | 22 | 22+ | - | - | 02 | SIS_DO2 | |
| 92 | SCS0110 | 02 | 05 | 12 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 12A | 12B | TB-XS-000 | 23 | 24 | 23+ | - | - | 02 | SIS_DO2 | |
| 93 | SCS0110 | 02 | 05 | 13 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 13A | 13B | TB-XS-000 | 51 | 52 | - | KFD0-RSH-1.4S.PS2 | KA1 | 02 | SIS_DO1 | |
| 94 | SCS0110 | 02 | 05 | 14 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 14A | 14B | TB-XS-000 | 53 | 54 | - | KFD0-RSH-1.4S.PS2 | KA2 | 02 | SIS_DO1 | |
| 95 | SCS0110 | 02 | 05 | 15 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 15A | 15B | - | - | - | - | - | - | 02 | | |
| 96 | SCS0110 | 02 | 05 | 16 | B400-SIS-001 | TB-02-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 16A | 16B | - | - | - | - | - | - | 02 | | |
| 97 | SCS0110 | 02 | 07 | 01 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 01A | 01B | TB-XS-000 | 25 | 26 | 24+ | - | - | 02 | SIS_DO2 | |
| 98 | SCS0110 | 02 | 07 | 02 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 02A | 02B | TB-XS-000 | 27 | 28 | 25+ | - | - | 02 | SIS_DO2 | |
| 99 | SCS0110 | 02 | 07 | 03 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 03A | 03B | - | - | - | - | - | - | 02 | | |
| 100 | SCS0110 | 02 | 07 | 04 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 04A | 04B | - | - | - | - | - | - | 02 | | |
| 101 | SCS0110 | 02 | 07 | 05 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 05A | 05B | - | - | - | - | - | - | 02 | | |
| 102 | SCS0110 | 02 | 07 | 06 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 06A | 06B | - | - | - | - | - | - | 02 | | |
| 103 | SCS0110 | 02 | 07 | 07 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 07A | 07B | TB-XS-000 | 29 | 30 | 26+ | - | - | 02 | SIS_DO2 | |
| 104 | SCS0110 | 02 | 07 | 08 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 08A | 08B | TB-XS-000 | 31 | 32 | 27+ | - | - | 02 | SIS_DO2 | |
| 105 | SCS0110 | 02 | 07 | 09 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 09A | 09B | TB-XS-000 | 33 | 34 | 28+ | - | - | 02 | SIS_DO2 | |
| 106 | SCS0110 | 02 | 07 | 10 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 10A | 10B | TB-XS-000 | 35 | 36 | 29+ | - | - | 02 | SIS_DO2 | |
| 107 | SCS0110 | 02 | 07 | 11 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 11A | 11B | TB-XS-000 | 37 | 38 | 30+ | - | - | 02 | SIS_DO2 | |
| 108 | SCS0110 | 02 | 07 | 12 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 12A | 12B | TB-UP-200F3 | 1 | 2 | 31+ | - | - | 02 | SIS_DO2 | |
| 109 | SCS0110 | 02 | 07 | 13 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 13A | 13B | - | - | - | - | - | - | 02 | | |
| 110 | SCS0110 | 02 | 07 | 14 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 14A | 14B | - | - | - | - | - | - | 02 | | |
| 111 | SCS0110 | 02 | 07 | 15 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 15A | 15B | - | - | - | - | - | - | 02 | | |
| 112 | SCS0110 | 02 | 07 | 16 | B400-SIS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-SIS-001 | 16A | 16B | - | - | - | - | - | - | 02 | | |
| 113 | SCS0110 | 03 | 01 | 01 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 01A | 01B | TB-P320PLC | 1 | 2 | - | - | - | 02 | SIS_DI01 | |
| 114 | SCS0110 | 03 | 01 | 02 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 02A | 02B | TB-XA-000 | 1 | 2 | - | - | - | 02 | SIS_DI01 | |
| 115 | SCS0110 | 03 | 01 | 03 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 03A | 03B | TB-XA-000 | 3 | 4 | - | - | - | 02 | SIS_DI01 | |
| 116 | SCS0110 | 03 | 01 | 04 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 04A | 04B | TB-XA-000 | 5 | 6 | - | - | - | 02 | SIS_DI01 | |
| 117 | SCS0110 | 03 | 01 | 05 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 05A | 05B | TB-XA-000 | 7 | 8 | - | - | - | 02 | SIS_DI01 | |
| 118 | SCS0110 | 03 | 01 | 06 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 06A | 06B | TB-XA-000 | 9 | 10 | - | - | - | 02 | SIS_DI01 | |
| 119 | SCS0110 | 03 | 01 | 07 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 07A | 07B | TB-XA-000 | 11 | 12 | - | - | - | 02 | SIS_DI01 | |
| 120 | SCS0110 | 03 | 01 | 08 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 08A | 08B | TB-XA-000 | 13 | 14 | - | - | - | 02 | SIS_DI01 | |
| 121 | SCS0110 | 03 | 01 | 09 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 09A | 09B | TB-XA-000 | 15 | 16 | - | - | - | 02 | SIS_DI01 | |
| 122 | SCS0110 | 03 | 01 | 10 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 10A | 10B | TB-XA-000 | 17 | 18 | - | - | - | 02 | SIS_DI01 | |
| 123 | SCS0110 | 03 | 01 | 11 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 11A | 11B | TB-XA-000 | 19 | 20 | - | - | - | 02 | SIS_DI01 | |
| 124 | SCS0110 | 03 | 01 | 12 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 12A | 12B | TB-P320PLC | 3 | 4 | - | - | - | 02 | SIS_DI01 | |
| 125 | SCS0110 | 03 | 01 | 13 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 13A | 13B | TB-XA-000 | 21 | 22 | - | - | - | 02 | SIS_DI01 | |
| 126 | SCS0110 | 03 | 01 | 14 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 14A | 14B | TB-XA-000 | 23 | 24 | - | - | - | 02 | SIS_DI01 | |
| 127 | SCS0110 | 03 | 01 | 15 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 15A | 15B | TB-XA-000 | 25 | 26 | - | - | - | 02 | SIS_DI01 | |
| 128 | SCS0110 | 03 | 01 | 16 | B400-SIS-001 | TB-03-01 | SBD4D-06 | SDV144 | B400-SIS-001 | 16A | 16B | TB-XA-000 | 27 | 28 | - | - | - | 02 | SIS_DI01 | |
| 129 | SCS0110 | 03 | 05 | 01 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 01A | 01B | TB-UP-200F3 | 3 | 4 | 32+ | - | - | 02 | SIS_DO2 | |
| 130 | SCS0110 | 03 | 05 | 02 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 02A | 02B | TB-UP-200F3 | 5 | 6 | 33+ | - | - | 02 | SIS_DO2 | |
| 131 | SCS0110 | 03 | 05 | 03 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 03A | 03B | TB-UP-200F3 | 7 | 8 | 34+ | - | - | 02 | SIS_DO2 | |
| 132 | SCS0110 | 03 | 05 | 04 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 04A | 04B | TB-UP-200F3 | 9 | 10 | 35+ | - | - | 02 | SIS_DO2 | |
| 133 | SCS0110 | 03 | 05 | 05 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 05A | 05B | TB-XS-000 | 39 | 40 | 36+ | - | - | 02 | SIS_DO2 | |
| 134 | SCS0110 | 03 | 05 | 06 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 06A | 06B | TB-XS-000 | 41 | 42 | 37+ | - | - | 02 | SIS_DO2 | |
| 135 | SCS0110 | 03 | 05 | 07 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 07A | 07B | TB-UP-200F3 | 11 | 12 | 38+ | - | - | 02 | SIS_DO2 | |
| 136 | SCS0110 | 03 | 05 | 08 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 08A | 08B | TB-XS-000 | 43 | 44 | 39+ | - | - | 02 | SIS_DO2 | |
| 137 | SCS0110 | 03 | 05 | 09 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 09A | 09B | TB-XS-000 | 45 | 46 | 40+ | - | - | 02 | SIS_DO2 | |
| 138 | SCS0110 | 03 | 05 | 10 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 10A | 10B | TB-XS-000 | 47 | 48 | 41+ | KFD0-RSH-1.4S.PS2 | R1, R2, R3, R4 | 02 | SIS_DO2 | RELAIS IN NET CAB |
| 139 | SCS0110 | 03 | 05 | 11 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 11A | 11B | TB-XS-000 | 49 | 50 | 42+ | KFD0-RSH-1.4S.PS2 | R5, R6, R7, R8 | 02 | SIS_DO2 | RELAIS IN NET CAB |
| 140 | SCS0110 | 03 | 05 | 12 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 12A | 12B | - | - | - | - | - | - | 02 | | |


This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

| CROSSWIND | HOLLANDSE KUST NOORD WIND PARK Project<br>Contract No. CW-I-WP4-2023-05 | ROSETTI MARINO |
|---|---|---|
| Document Title: PCS and Safety System IO List (HW and SW) | Issued for Construction | Date: 10/10/2025<br>REV: 05 |

**SIS**

| S.No | TAG_NAME | LOOP_NAME | SIS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE | Ex-i |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS |
| 142 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS |
| 143 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS |
| 144 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | SIS | DO | 24 Vdc | - | NIS |
| 145 | 79-XA-051 | 79-XA-051 | - | - | Status signal | SIS Panel Ventilation Fan Fault | SIS VENT. | FAN FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - | NIS |
| 146 | 79-XA-052 | 79-XA-052 | - | - | Status signal | SIS Panel Power supply & Diodes failure | SIS PS DIODE | FAILURE | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - | NIS |
| 147 | 79-XA-053 | 79-XA-053 | - | - | Status signal | SIS Panel Cumulative Breaker Fault | SIS CUM. BRK | FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - | NIS |
| 148 | 79-XA-054 | 79-XA-054 | - | - | Status signal | SIS Panel High Temperature Alarm | SIS HI TEMP. | ALM | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - | NIS |
| 149 | 79-XA-055 | 79-XA-055 | - | - | Status signal | SIS Digital boards Fault | SIS DI BRD | FLT | - | - | BLD | Building | SIS | DI | FVC-24Vdc | - | NIS |
| 150 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 151 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 152 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 153 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 154 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 155 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 156 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 157 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 158 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 159 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 160 | SPARE | - | SPARE | | - | SPARE | SPARE | | - | - | - | - | SIS | DI | - | - | NIS |
| 161 | 70-XA-001 | 70-XS-001 | 70XA-001 | - | Status signal | ASD Activation from FGS to SIS | ASD ACT FR | FGS TO SIS | - | - | BLD | Building | SIS | SW | - | - | - |
| 162 | 70-XA-002 | 70-XS-002 | 70XA-002 | - | Status signal | ESD-1D Activation from FGS to SIS | ESD-1D ACT | FGS TO SIS | - | - | BLD | Building | SIS | SW | - | - | - |
| 163 | 70-XA-003 | 70-XS-003 | 70XA-003 | - | Status signal | SHUT-DOWN A-20000 Electrolyser PKG | SD A-20000 | ELEC PKG | - | - | BLD | Building | SIS | SW | - | - | - |
| 164 | 70-XA-004 | 70-XS-004 | 70XA-004 | - | Status signal | Inhibit B-300 battery charging and start S/B fan | INB B300 BAT | CHG&ST S/B | - | - | BLD | Building | SIS | SW | - | - | - |
| 165 | 70-XA-005 | 70-XS-005 | 70XA-005 | - | Status signal | H2 confirmed in open area | H2 CF IN OPN | AREA | - | - | BLD | Building | SIS | SW | - | - | - |
| 166 | 70-XA-006 | 70-XS-006 | 70XA-006 | - | Status signal | H2/Smoke confirmed inside B-100 HV/MV SWGR room | H2/SM.CONF | IN B-100 S.R | - | - | BLD | Building | SIS | SW | - | - | - |
| 167 | 70-XA-007 | 70-XS-007 | 70XA-007 | - | Status signal | H2/Smoke confirmed inside B-200 LV SWGR room | H2/SM.CONF | IN B-200 S.R | - | - | BLD | Building | SIS | SW | - | - | - |
| 168 | 70-XA-008 | 70-XS-008 | 70XA-008 | - | Status signal | Inhibit B-100 battery charging and start S/B fan | INB B100 BAT | CHG&ST S/B | - | - | BLD | Building | SIS | SW | - | - | - |
| 169 | 70-XA-010 | 70-XS-010 | 70XA-010 | - | Status signal | H2/Smoke confirmed in A-50003 Sea water treatment PKG | H2/SM.CF | A-50003 SWT | - | - | BLD | Building | SIS | SW | - | - | - |
| 170 | 79-XS-001 | 79-XS-001 | 79XS-001 | - | Command signal | ASD Activation from SIS to FGS | ASD ACT FR | SIS TO FGS | - | - | BLD | Building | SIS | SW | - | - | - |
| 171 | 79-XS-002 | 79-XS-002 | 79XS-002 | - | Command signal | ESD-1D Activation from SIS to FGS | ESD-1D ACT | SIS TO FGS | - | - | BLD | Building | SIS | SW | - | - | - |
| 172 | 79-XS-003 | 79-XS-003 | 79XS-003 | - | Command signal | ESD-1 Activation from SIS to FGS | ESD-1 ACT FR | SIS TO FGS | - | - | BLD | Building | SIS | SW | - | - | - |
| 173 | 79-XS-004 | 79-XS-004 | 79XS-004 | - | Command signal | MOB Activation from SIS to FGS | MOB ACT FR | SIS TO FGS | - | - | BLD | Building | SIS | SW | - | - | - |
| 174 | 79-XA-005 | 79-XA-005 | 79XA-005 | - | Status signal | Loss of on-shore communication | LOSS OF | ONSHORE COMM | - | - | BLD | Building | SIS | SW | - | - | - |

| S.No | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 142 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 143 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 144 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 145 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Internal wiring | - | - | - | - | - | - |
| 146 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Internal wiring | - | - | - | - | - | - |
| 147 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Internal wiring | - | - | - | - | - | - |
| 148 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Internal wiring | - | - | - | - | - | - |
| 149 | - | - | - | - | | | | | | | | | | | - | Internal wiring | - | - | | | | |
| 150 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 151 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 152 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 153 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 154 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 155 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 156 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 157 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 158 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 159 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 160 | - | - | - | - | | | | | | | | | | | - | - | - | - | | | | |
| 161 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 162 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 163 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 164 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 165 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 166 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 167 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 168 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 169 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 170 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 171 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 172 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 173 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |
| 174 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SW | - | - | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A | TBA_NO_B | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | SCS0110 | 03 | 05 | 13 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 13A | 13B | - | - | - | - | - | - | 02 | | |
| 142 | SCS0110 | 03 | 05 | 14 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 14A | 14B | - | - | - | - | - | - | 02 | | |
| 143 | SCS0110 | 03 | 05 | 15 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 15A | 15B | - | - | - | - | - | - | 02 | | |
| 144 | SCS0110 | 03 | 05 | 16 | B400-SIS-001 | TB-03-05 | SBD4D-06 | SDV541 | B400-SIS-001 | 16A | 16B | - | - | - | - | - | - | 02 | | |
| 145 | SCS0110 | 03 | 07 | 01 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 01A | 01B | X-FAULT | 1+ | 1- | - | - | - | 02 | SIS_DI01 | - |
| 146 | SCS0110 | 03 | 07 | 02 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 02A | 02B | X-FAULT | 2+ | 2- | - | - | - | 02 | SIS_DI01 | - |
| 147 | SCS0110 | 03 | 07 | 03 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 03A | 03B | X-FAULT | 3+ | 3- | - | - | - | 02 | SIS_DI01 | - |
| 148 | SCS0110 | 03 | 07 | 04 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 04A | 04B | X-FAULT | 4+ | 4- | - | - | - | 02 | SIS_DI01 | - |
| 149 | SCS0110 | 03 | 07 | 05 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 05A | 05B | X-FAULT | 5+ | 5- | - | - | - | 02 | SIS_DI01 | |
| 150 | SCS0110 | 03 | 07 | 06 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 06A | 06B | - | - | - | - | - | - | 02 | | |
| 151 | SCS0110 | 03 | 07 | 07 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 07A | 07B | - | - | - | - | - | - | 02 | | |
| 152 | SCS0110 | 03 | 07 | 08 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 08A | 08B | - | - | - | - | - | - | 02 | | |
| 153 | SCS0110 | 03 | 07 | 09 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 09A | 09B | - | - | - | - | - | - | 02 | | |
| 154 | SCS0110 | 03 | 07 | 10 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 10A | 10B | - | - | - | - | - | - | 02 | | |
| 155 | SCS0110 | 03 | 07 | 11 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 11A | 11B | - | - | - | - | - | - | 02 | | |
| 156 | SCS0110 | 03 | 07 | 12 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 12A | 12B | - | - | - | - | - | - | 02 | | |
| 157 | SCS0110 | 03 | 07 | 13 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 13A | 13B | - | - | - | - | - | - | 02 | | |
| 158 | SCS0110 | 03 | 07 | 14 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 14A | 14B | - | - | - | - | - | - | 02 | | |
| 159 | SCS0110 | 03 | 07 | 15 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 15A | 15B | - | - | - | - | - | - | 02 | | |
| 160 | SCS0110 | 03 | 07 | 16 | B400-SIS-001 | TB-03-07 | SBD4D-06 | SDV144 | B400-SIS-001 | 16A | 16B | - | - | - | - | - | - | 02 | | |
| 161 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 162 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 163 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 164 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 165 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 166 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 167 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 168 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 169 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 170 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 171 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 172 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 173 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |
| 174 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 02 | | - |

FGS

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 950-SDZ-04201 | 950-SD-04201 | 950SDZ-04201 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 HVAC air intake | FZ4 SD B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 16A | - | C-950-SDZ-04201 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 01 | 01 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 01A | 01B | TB-B400-FGS-002-2 | 01 | 02 | - | Hic2025 | BR01 | 02 | FGS_AI02 | - |
| 2 | 950-SDZ-04204 | 950-SD-04204 | 950SDZ-04204 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 I&T equip. room | FZ4 SD B400 | I&T E.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 15A | - | C-950-SDZ-04204 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 01 | 02 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 02A | 02B | TB-B400-FGS-002-2 | 07 | 08 | - | Hic2025 | BR02 | 02 | FGS_AI02 | - |
| 3 | 950-SDZ-04207 | 950-SD-04207 | 950SDZ-04207 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 HVAC air intake | FZ4 SD B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 12A | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - | SCS0120 | 01 | 01 | 03 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-04208 | 01 | 02 | - | Hic2025 | BR03 | 02 | FGS_AI02 | - |
| 4 | 950-SDZ-04210 | 950-SD-04210 | 950SDZ-04210 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 AC UPS room | FZ4 SD B300 | AC UPS RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 11A | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - | SCS0120 | 01 | 01 | 04 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04208 | 07 | 08 | - | Hic2025 | BR04 | 02 | FGS_AI02 | - |
| 5 | 950-SDZ-04213 | 950-SD-04213 | 950SDZ-04213 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 HVAC air intake | FZ4 SD B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 08A | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - | SCS0120 | 01 | 01 | 05 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04204 | 01 | 02 | - | Hic2025 | BR05 | 02 | FGS_AI02 | - |
| 6 | 950-SDZ-04216 | 950-SD-04216 | 950SDZ-04216 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 LV SWGR room | FZ4 SD B200 | LV S.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 07A | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - | SCS0120 | 01 | 01 | 06 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04204 | 07 | 08 | - | Hic2025 | BR06 | 02 | FGS_AI02 | - |
| 7 | 950-SDZ-06201 | 950-SD-06201 | 950SDZ-06201 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HVAC air intake | FZ6 SD B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 04A | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - | SCS0120 | 01 | 01 | 07 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06204 | 01 | 02 | - | Hic2025 | BR07 | 02 | FGS_AI02 | - |
| 8 | 950-SDZ-06204 | 950-SD-06204 | 950SDZ-06204 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HV/MV SWGR room | FZ6 SD B100 | SW RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 03A | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - | SCS0120 | 01 | 01 | 08 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-06204 | 07 | 08 | - | Hic2025 | BR08 | 02 | FGS_AI02 | - |
| 9 | WS0120010109 | - | WS0120010109 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 09 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 09A | 09B | TB-B400-FGS-002-2 | 13 | 14 | - | Hic2025 | BR09 | 02 | FGS_AI02 | - |
| 10 | WS0120010110 | - | WS0120010110 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 10 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 10A | 10B | TB-B400-FGS-002-2 | 15 | 16 | - | Hic2025 | BR10 | 02 | FGS_AI02 | - |
| 11 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 11 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 12 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 12 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 13 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 13 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 14 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 14 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 15 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 15 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 16 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 01 | 16 | B400-FGS-001 | TB-01-01 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 17 | 950-SDZ-04202 | 950-SD-04202 | 950SDZ-04202 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 HVAC air intake | FZ4 SD B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 16B | - | C-950-SDZ-04202 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 03 | 01 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 01A | 01B | TB-B400-FGS-002-2 | 03 | 04 | - | Hic2025 | BR11 | 02 | FGS_AI02 | - |
| 18 | 950-SDZ-04205 | 950-SD-04205 | 950SDZ-04205 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 I&T equip. room | FZ4 SD B400 | I&T E.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 15B | - | C-950-SDZ-04205 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 03 | 02 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 02A | 02B | TB-B400-FGS-002-2 | 09 | 10 | - | Hic2025 | BR12 | 02 | FGS_AI02 | - |
| 19 | 950-SDZ-04208 | 950-SD-04208 | 950SDZ-04208 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 HVAC air intake | FZ4 SD B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 12B | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - | SCS0120 | 01 | 03 | 03 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-04208 | 03 | 04 | - | Hic2025 | BR13 | 02 | FGS_AI02 | - |
| 20 | 950-SDZ-04211 | 950-SD-04211 | 950SDZ-04211 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 AC UPS room | FZ4 SD B300 | AC UPS RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 11B | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | - | - | SCS0120 | 01 | 03 | 04 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04208 | 09 | 10 | - | Hic2025 | BR14 | 02 | FGS_AI02 | - |
| 21 | 950-SDZ-04214 | 950-SD-04214 | 950SDZ-04214 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 HVAC air intake | FZ4 SD B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 08B | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - | SCS0120 | 01 | 03 | 05 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04204 | 03 | 04 | - | Hic2025 | BR15 | 02 | FGS_AI02 | - |
| 22 | 950-SDZ-04217 | 950-SD-04217 | 950SDZ-04217 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 LV SWGR room | FZ4 SD B200 | LV S.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 07B | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | - | - | SCS0120 | 01 | 03 | 06 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04204 | 09 | 10 | - | Hic2025 | BR16 | 02 | FGS_AI02 | - |
| 23 | 950-SDZ-06202 | 950-SD-06202 | 950SDZ-06202 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HVAC air intake | FZ6 SD B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 04B | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - | SCS0120 | 01 | 03 | 07 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06204 | 03 | 04 | - | Hic2025 | BR17 | 02 | FGS_AI02 | - |
| 24 | 950-SDZ-06205 | 950-SD-06205 | 950SDZ-06205 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HV/MV SWGR room | FZ6 SD B100 | SW RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 03B | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | - | - | SCS0120 | 01 | 03 | 08 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-06204 | 09 | 10 | - | Hic2025 | BR18 | 02 | FGS_AI02 | - |
| 25 | WS0120010309 | - | WS0120010309 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 09 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 09A | 09B | TB-B400-FGS-002-2 | 17 | 18 | - | Hic2025 | BR19 | 02 | FGS_AI02 | - |
| 26 | WS0120010310 | - | WS0120010310 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 10 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 10A | 10B | TB-B400-FGS-002-2 | 19 | 20 | - | Hic2025 | BR20 | 02 | FGS_AI02 | - |
| 27 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 11 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 28 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 12 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 29 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 13 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 30 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 14 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 31 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 15 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 32 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 03 | 16 | B400-FGS-001 | TB-01-03 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 33 | 950-SDZ-04203 | 950-SD-04203 | 950SDZ-04203 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 HVAC air intake | FZ4 SD B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 16C | - | C-950-SDZ-04203 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 05 | 01 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 01A | 01B | TB-B400-FGS-002-2 | 05 | 06 | - | Hic2025 | BR21 | 02 | FGS_AI02 | - |
| 34 | 950-SDZ-04206 | 950-SD-04206 | 950SDZ-04206 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-400 I&T equip. room | FZ4 SD B400 | I&T E.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 15C | - | C-950-SDZ-04206 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - | SCS0120 | 01 | 05 | 02 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 02A | 02B | TB-B400-FGS-002-2 | 11 | 12 | - | Hic2025 | BR22 | 02 | FGS_AI02 | - |
| 35 | 950-SDZ-04209 | 950-SD-04209 | 950SDZ-04209 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 HVAC air intake | FZ4 SD B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 12C | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - | SCS0120 | 01 | 05 | 03 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-04208 | 05 | 06 | - | Hic2025 | BR23 | 02 | FGS_AI02 | - |
| 36 | 950-SDZ-04212 | 950-SD-04212 | 950SDZ-04212 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-300 AC UPS room | FZ4 SD B300 | AC UPS RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 11C | 950-JE-04208 | 950-JE-04208 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | - | - | SCS0120 | 01 | 05 | 04 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04208 | 11 | 12 | - | Hic2025 | BR24 | 02 | FGS_AI02 | - |
| 37 | 950-SDZ-04215 | 950-SD-04215 | 950SDZ-04215 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 HVAC air intake | FZ4 SD B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 08C | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - | SCS0120 | 01 | 05 | 05 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04204 | 05 | 06 | - | Hic2025 | BR25 | 02 | FGS_AI02 | - |
| 38 | 950-SDZ-04218 | 950-SD-04218 | 950SDZ-04218 | - | Optical smoke detector (Ex-i) | FZ-04 Smoke detect. in B-200 LV SWGR room | FZ4 SD B200 | LV S.R | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 07C | 950-JE-04204 | 950-JE-04204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | - | - | SCS0120 | 01 | 05 | 06 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04204 | 11 | 12 | - | Hic2025 | BR26 | 02 | FGS_AI02 | - |
| 39 | 950-SDZ-06203 | 950-SD-06203 | 950SDZ-06203 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HVAC air intake | FZ6 SD B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 04C | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - | SCS0120 | 01 | 05 | 07 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06204 | 05 | 06 | - | Hic2025 | BR27 | 02 | FGS_AI02 | - |
| 40 | 950-SDZ-06206 | 950-SD-06206 | 950SDZ-06206 | - | Optical smoke detector (Ex-i) | FZ-06 Smoke detect. in B-100 HV/MV SWGR room | FZ6 SD B100 | SW RM | - | - | L | Field | FGS | AI | 0-48 mA | 4-WIRE | IS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 03C | 950-JE-06204 | 950-JE-06204 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | - | - | SCS0120 | 01 | 05 | 08 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-06204 | 11 | 12 | - | Hic2025 | BR28 | 02 | FGS_AI02 | - |
| 41 | WS0120010509 | - | WS0120010509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 09 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 09A | 09B | TB-B400-FGS-002-2 | 21 | 22 | - | Hic2025 | BR29 | 02 | FGS_AI02 | - |
| 42 | WS0120010510 | - | WS0120010510 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 10 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 10A | 10B | TB-B400-FGS-002-2 | 23 | 24 | - | Hic2025 | BR30 | 02 | FGS_AI02 | - |
| 43 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 11 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 44 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 12 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 45 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 13 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 46 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 14 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 47 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 15 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 48 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | IS | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 01 | 05 | 16 | B400-FGS-001 | TB-01-05 | HCTB16-YRS-RRB-KS-CC-AI16 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 49 | 950-GDZ-02101 | 950-GD-02101 | 950GDZ-02101 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17A | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR5 | - | - | - | - | SCS0120 | 02 | 01 | 01 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02101 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 50 | 950-GDZ-02102 | 950-GD-02102 | 950GDZ-02102 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17B | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR6 | - | - | - | - | SCS0120 | 02 | 01 | 02 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02101 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 51 | 950-GDZ-02103 | 950-GD-02103 | 950GDZ-02103 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17C | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR7 | - | - | - | - | SCS0120 | 02 | 01 | 03 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02101 | 19 | 20 | 21 | - | - | 02 | FGS_AI01 | - |
| 52 | 950-FDZ-02101 | 950-FD-02101 | 950FDZ-02101 | - | UV-IR Flame detector | FZ-02 Flame detect. in hydrogen storage vessels area | FZ2 FD H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 23A | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 04 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-02101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 53 | 950-FDZ-01101 | 950-FD-01101 | 950FDZ-01101 | - | UV-IR Flame detector | FZ-01 Flame detect. in fuel cell package area | FZ1 FD F.C | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 22A | 950-JE-01101 | 950-JE-01101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 05 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-01101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 54 | 950-FDZ-04101 | 950-FD-04101 | 950FDZ-04101 | - | UV-IR Flame detector | FZ-04 Flame detect. in B-400/B-300/B-200 area | FZ4 FD B400 | 300/200 AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 25A | 950-JE-04101 | 950-JE-04101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 06 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 55 | 950-FDZ-03101 | 950-FD-03101 | 950FDZ-03101 | - | UV-IR Flame detector | FZ-03 Flame detect. in electrolyzer package area | FZ3 FD ELEC | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo5 | 19A | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 07 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-03102 | 1 | 2 | 3 | - | - | 02 | FGS_AI01 | - |
| 56 | 950-GDZ-03107 | 950-GD-03107 | 950GDZ-03107 | - | Electrochem. O2 gas detector | FZ-03 Oxygen in electrolyzer package area | FZ3 O2 ELEC | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % Vol | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 21B | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR6 | - | - | - | - | SCS0120 | 02 | 01 | 08 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03101 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 57 | 950-GDZ-04213 | 950-GD-04213 | 950GDZ-04213 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 HVAC air intake | FZ4 H2D B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 06A | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 09 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-04201 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 58 | 950-GDZ-04216 | 950-GD-04216 | 950GDZ-04216 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 LV SWGR room | FZ4 H2D B200 | LV S.R | - | - | L | Field | FGS | AI | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 05A | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - | SCS0120 | 02 | 01 | 10 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-04201 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 59 | 950-GDZ-01101 | 950-GD-01101 | 950GDZ-01101 | - | Ultrasonic H2 leak detector | FZ-01 H2 detect. in fuel cell package area | FZ1 H2D F.C | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 18A | 950-JE-01102 | 950-JE-01102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - | SCS0120 | 02 | 01 | 11 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-950-JE-01102 | 1 | 2 | 3 | - | - | 02 | FGS_AI01 | - |
| 60 | 950-GDZ-03106 | 950-GD-03106 | 950-GDZ-03106 | - | - | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | - | - | FGS | AI | - | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | - | - | 950-JE-01101 | 950-JE-01101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - | SCS0120 | 02 | 01 | 12 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-950-JE-01101 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 61 | WS0120020113 | - | WS0120020113 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01102 | 950-JE-01102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - | SCS0120 | 02 | 01 | 13 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-01102 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 62 | WS0120020114 | - | WS0120020114 | - | Electrochem. O2 gas detector | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR8 | - | - | - | - | SCS0120 | 02 | 01 | 14 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | TB-950-JE-03101 | 22 | 23 | 24 | - | - | 02 | FGS_AI01 | - |
| 63 | WS0120020115 | - | WS0120020115 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR9 | - | - | - | - | SCS0120 | 02 | 01 | 15 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | TB-950-JE-03101 | 25 | 26 | 27 | - | - | 02 | FGS_AI01 | - |
| 64 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | SCS0120 | 02 | 01 | 16 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 65 | 950-GDZ-02104 | 950-GD-02104 | 950GDZ-02104 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17D | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR8 | - | - | - | - | SCS0120 | 02 | 03 | 01 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02101 | 22 | 23 | 24 | - | - | 02 | FGS_AI01 | - |
| 66 | 950-GDZ-02105 | 950-GD-02105 | 950GDZ-02105 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17E | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR9 | - | - | - | - | SCS0120 | 02 | 03 | 02 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02101 | 25 | 26 | 27 | - | - | 02 | FGS_AI01 | - |
| 67 | 950-GDZ-02106 | 950-GD-02106 | 950GDZ-02106 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17F | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR10 | - | - | - | - | SCS0120 | 02 | 03 | 03 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02101 | 28 | 29 | 30 | - | - | 02 | FGS_AI01 | - |
| 68 | 950-FDZ-02102 | 950-FD-02102 | 950FDZ-02102 | - | UV-IR Flame detector | FZ-02 Flame detect. in hydrogen storage vessels area | FZ2 FD H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 23B | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR2 | - | - | - | - | SCS0120 | 02 | 03 | 04 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-02101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 69 | 950-FDZ-01102 | 950-FD-01102 | 950FDZ-01102 | - | UV-IR Flame detector | FZ-01 Flame detect. in fuel cell package area | FZ1 FD F.C | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 22B | 950-JE-01101 | 950-JE-01101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - | SCS0120 | 02 | 03 | 05 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-01101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 70 | 950-FDZ-04102 | 950-FD-04102 | 950FDZ-04102 | - | UV-IR Flame detector | FZ-04 Flame detect. in B-400/B-300/B-200 area | FZ4 FD B400 | 300/200 AREA | - | - | L | Field | FGS | AI | 0-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 25B | 950-JE-04101 | 950-JE-04101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - | SCS0120 | 02 | 03 | 06 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

**FGS**

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 950-FDZ-03102 | 950-FD-03102 | 950FDZ-03102 | - | UV-IR Flame detector | FZ-03 Flame detect. in electrolyzer package area | FZ3 FD ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 72 | 950-GDZ-03108 | 950-GD-03108 | 950GDZ-03108 | - | Electrochem. O2 gas detector | FZ-03 Oxygen in electrolyzer package area | FZ3 O2 ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 73 | 950-GDZ-05101 | 950-GD-05101 | 950GDZ-05101 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 74 | 950-FDZ-05101 | 950-FD-05101 | 950FDZ-05101 | - | UV-IR Flame detector | FZ-05 Flame detect. in bess area | FZ5 FD BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 75 | 950-GDZ-04214 | 950-GD-04214 | 950GDZ-04214 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 HVAC air intake | FZ4 H2D B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 76 | 950-GDZ-04217 | 950-GD-04217 | 950GDZ-04217 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 LV SWGR room | FZ4 H2D B200 | LV S.R | - | - | L | Field | FGS | AI | 0-20 mA |
| 77 | 950-GDZ-01102 | 950-GD-01102 | 950GDZ-01102 | - | Ultrasonic H2 leak detector | FZ-01 H2 detect. in fuel cell package area | FZ1 H2D F.C | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 78 | WS0120020314 | - | WS0120020314 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 79 | WS0120020315 | - | WS0120020315 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 80 | WS0120020316 | - | WS0120020316 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 81 | 950-MFA-01101 | 950-MF-01101 | 950MFA-01101 | - | Push button DPDT contact | FZ-01 Manual fire alarm (MFA) | FZ1(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 82 | 950-MFA-01102 | 950-MF-01102 | 950MFA-01102 | - | Push button DPDT contact | FZ-01 Manual fire alarm (MFA) | FZ1(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 83 | 950-MFA-01103 | 950-MF-01103 | 950MFA-01103 | - | Push button DPDT contact | FZ-01 Manual fire alarm (MFA) | FZ1(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 84 | 950-MFA-03101 | 950-MF-03101 | 950MFA-03101 | - | Push button DPDT contact | FZ-03 Manual fire alarm (MFA) | FZ3(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 85 | 950-MFA-03102 | 950-MF-03102 | 950MFA-03102 | - | Push button DPDT contact | FZ-03 Manual fire alarm (MFA) | FZ3(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 86 | 950-MFA-03103 | 950-MF-03103 | 950MFA-03103 | - | Push button DPDT contact | FZ-03 Manual fire alarm (MFA) | FZ3(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 87 | 950-MFA-03104 | 950-MF-03104 | 950MFA-03104 | - | Push button DPDT contact | FZ-03 Manual fire alarm (MFA) | FZ3(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 88 | WS0120020508 | - | WS0120020508 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 89 | WS0120020509 | - | WS0120020509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 90 | FGS001-UA-05 | FGS001-UA-05 | FGS001-UA-05 | - | Cabinet Alarm | SCS0120 Program Enable/Disable Key Switch | SCS0120 PRG | ENBLE/DISBLE | - | - | - | - | FGS | DI | FVC-24Vdc |
| 91 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 92 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 93 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 94 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 95 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 96 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 97 | 950-XZ-01101 | 950-XZ-01101 | 950XZ-01101 | - | Monotone sounder | FZ-01 Acoustic fire&gas alarm | FZ1 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 98 | 950-XZ-01102 | 950-XZ-01102 | 950XZ-01102 | - | Monotone sounder | FZ-01 Acoustic fire&gas alarm | FZ1 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 99 | 950-XL-01101 | 950-XL-01101 | 950XL-01101 | - | Flash beacon (AMBER) | FZ-01 Optical exp gas alarm | FZ1 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 100 | 950-XL-01102 | 950-XL-01102 | 950XL-01102 | - | Flash beacon (RED) | FZ-01 Optical fire alarm | FZ1 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 101 | 950-XZ-02101 | 950-XZ-02101 | 950XZ-02101 | - | Monotone sounder | FZ-02 Acoustic fire&gas alarm | FZ2 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 102 | 950-XL-02101 | 950-XL-02101 | 950XL-02101 | - | Flash beacon (AMBER) | FZ-02 Optical exp gas alarm | FZ2 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 103 | 950-XL-02102 | 950-XL-02102 | 950XL-02102 | - | Flash beacon (RED) | FZ-02 Optical fire alarm | FZ2 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 104 | 950-XZ-03101 | 950-XZ-03101 | 950XZ-03101 | - | Monotone sounder | FZ-03 Acoustic fire&gas alarm | FZ3 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 105 | 950-XZ-03102 | 950-XZ-03102 | 950XZ-03102 | - | Monotone sounder | FZ-03 Acoustic fire&gas alarm | FZ3 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 106 | 950-XL-03101 | 950-XL-03101 | 950XL-03101 | - | Flash beacon (AMBER) | FZ-03 Optical exp gas alarm | FZ3 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 107 | 950-XL-03102 | 950-XL-03102 | 950XL-03102 | - | Flash beacon (RED) | FZ-03 Optical fire alarm | FZ3 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 108 | 950-XL-03103 | 950-XL-03103 | 950XL-03103 | - | Flash beacon (AMBER) | FZ-03 Optical exp gas alarm | FZ3 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 109 | 950-XL-03104 | 950-XL-03104 | 950XL-03104 | - | Flash beacon (RED) | FZ-03 Optical fire alarm | FZ3 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 110 | WS0120020714 | - | WS0120020714 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 111 | WS0120020715 | - | WS0120020715 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 112 | WS0120020716 | - | WS0120020716 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 113 | 950-GDZ-02107 | 950-GD-02107 | 950GDZ-02107 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 114 | 950-GDZ-02108 | 950-GD-02108 | 950GDZ-02108 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 115 | 950-GDZ-02109 | 950-GD-02109 | 950GDZ-02109 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 116 | 950-FDZ-02103 | 950-FD-02103 | 950FDZ-02103 | - | UV-IR Flame detector | FZ-02 Flame detect. in hydrogen storage vessels area | FZ2 FD H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 117 | 950-FDZ-01103 | 950-FD-01103 | 950FDZ-01103 | - | UV-IR Flame detector | FZ-01 Flame detect. in fuel cell package area | FZ1 FD F.C | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 118 | 950-FDZ-04103 | 950-FD-04103 | 950FDZ-04103 | - | UV-IR Flame detector | FZ-04 Flame detect. in B-400/B-300/B-200 area | FZ4 FD B400 | 300/200 AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 119 | 950-FDZ-03103 | 950-FD-03103 | 950FDZ-03103 | - | UV-IR Flame detector | FZ-03 Flame detect. in electrolyzer package area | FZ3 FD ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 120 | 950-GDZ-03109 | - | 950-GDZ-03109 | - | - | FZ-03 Oxygen in electrolyzer package area | FZ3 O2 ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 121 | 950-GDZ-05102 | 950-GD-05102 | 950GDZ-05102 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 122 | 950-FDZ-05102 | 950-FD-05102 | 950FDZ-05102 | - | UV-IR Flame detector | FZ-05 Flame detect. in bess area | FZ5 FD BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 123 | 950-GDZ-04215 | 950-GD-04215 | 950GDZ-04215 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 HVAC air intake | FZ4 H2D B200 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-20 mA |
| 124 | 950-GDZ-04218 | 950-GD-04218 | 950GDZ-04218 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-200 LV SWGR room | FZ4 H2D B200 | LV S.R | - | - | L | Field | FGS | AI | 0-20 mA |
| 125 | 950-GDZ-03101 | 950-GD-03101 | 950GDZ-03101 | - | Ultrasonic H2 leak detector | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 126 | WS0120030114 | - | WS0120030114 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 127 | WS0120030115 | - | WS0120030115 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 128 | WS0120030116 | - | WS0120030116 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 129 | 950-GDZ-02110 | 950-GD-02110 | 950GDZ-02110 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 130 | 950-GDZ-02111 | 950-GD-02111 | 950GDZ-02111 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 131 | 950-GDZ-02112 | 950-GD-02112 | 950GDZ-02112 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 132 | 950-FDZ-02104 | 950-FD-02104 | 950FDZ-02104 | - | UV-IR Flame detector | FZ-02 Flame detect. in hydrogen storage vessels area | FZ2 FD H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 133 | 950-FDZ-01104 | 950-FD-01104 | 950FDZ-01104 | - | UV-IR Flame detector | FZ-01 Flame detect. in fuel cell package area | FZ1 FD F.C | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 134 | 950-FDZ-04104 | 950-FD-04104 | 950FDZ-04104 | - | UV-IR Flame detector | FZ-04 Flame detect. in B-400/B-300/B-200 area | FZ4 FD B400 | 300/200 AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 135 | 950-FDZ-03104 | 950-FD-03104 | 950FDZ-03104 | - | UV-IR Flame detector | FZ-03 Flame detect. in electrolyzer package area | FZ3 FD ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 136 | 950-GDZ-03102 | 950-GD-03102 | 950GDZ-03102 | - | Ultrasonic H2 leak detector | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 137 | 950-GDZ-05103 | 950-GD-05103 | 950GDZ-05103 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 138 | 950-FDZ-05103 | 950-FD-05103 | 950FDZ-05103 | - | UV-IR Flame detector | FZ-05 Flame detect. in bess area | FZ5 FD BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 139 | WS0120030311 | - | WS0120030311 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 140 | WS0120030312 | - | WS0120030312 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo5 | 19B | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 72 | 4-WIRE | NIS | - | % Vol | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 21C | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR7 | - | - | - | - |
| 73 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20A | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 74 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26A | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 75 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 06B | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 76 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 05B | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 77 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 18B | 950-JE-01102 | 950-JE-01102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 78 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 79 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01102 | 950-JE-01102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 80 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR11 | - | - | - | - |
| 81 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01103 | 950-JE-01103 / B400-FGS-002 | 6x2x0.75 mm2 | PR1 | - | - | - | - |
| 82 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01103 | 950-JE-01103 / B400-FGS-002 | 6x2x0.75 mm2 | PR2 | - | - | - | - |
| 83 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01103 | 950-JE-01103 / B400-FGS-002 | 6x2x0.75 mm2 | PR3 | - | - | - | - |
| 84 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 85 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 86 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 87 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - |
| 88 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR5 | - | - | - | - |
| 89 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03103 | 950-JE-03103 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR6 | - | - | - | - |
| 90 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 91 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 92 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 93 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 94 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 95 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 96 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 97 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01104 | 950-JE-01104 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 98 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01104 | 950-JE-01104 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 99 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01104 | 950-JE-01104 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 100 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-01104 | 950-JE-01104 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 101 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 102 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 103 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 104 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 105 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 106 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 107 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 108 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 109 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03104 | 950-JE-03104 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 110 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 111 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 112 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02104 | 950-JE-02104 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 113 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17G | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 114 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17H | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 115 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17I | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 116 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 23C | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 117 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 22C | 950-JE-01101 | 950-JE-01101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 118 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 25C | 950-JE-04101 | 950-JE-04101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 119 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo5 | 19C | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 120 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo5 | 19E | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 121 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20B | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 122 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26B | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 123 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 06C | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 124 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 05C | 950-JE-04201 | 950-JE-04201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 125 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 24A | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 126 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR12 | - | - | - | - |
| 127 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR10 | - | - | - | - |
| 128 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR11 | - | - | - | - |
| 129 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17J | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 130 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17K | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 131 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17L | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 132 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 23D | 950-JE-02101 | 950-JE-02101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 133 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 22D | 950-JE-01101 | 950-JE-01101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 134 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 25D | 950-JE-04101 | 950-JE-04101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 135 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo5 | 19D | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 136 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 24B | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 137 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20C | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR7 | - | - | - | - |
| 138 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26C | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 139 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR12 | - | - | - | - |
| 140 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-03102 | 950-JE-03102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR6 | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | SCS0120 | 02 | 03 | 07 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03102 | 4 | 5 | 6 | - | - | 02 | FGS_AI01 | - |
| 72 | SCS0120 | 02 | 03 | 08 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03101 | 19 | 20 | 21 | - | - | 02 | FGS_AI01 | - |
| 73 | SCS0120 | 02 | 03 | 09 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 74 | SCS0120 | 02 | 03 | 10 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-05101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 75 | SCS0120 | 02 | 03 | 11 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-950-JE-04201 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 76 | SCS0120 | 02 | 03 | 12 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-950-JE-04201 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 77 | SCS0120 | 02 | 03 | 13 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-01102 | 4 | 5 | 6 | - | - | 02 | FGS_AI01 | - |
| 78 | SCS0120 | 02 | 03 | 14 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 79 | SCS0120 | 02 | 03 | 15 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | TB-950-JE-01102 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 80 | SCS0120 | 02 | 03 | 16 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | TB-950-JE-02101 | 31 | 32 | 33 | - | - | 02 | FGS_AI01 | - |
| 81 | SCS0120 | 02 | 05 | 01 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 01A | 01B | TB-950-JE-01103 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 82 | SCS0120 | 02 | 05 | 02 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 02A | 02B | TB-950-JE-01103 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |
| 83 | SCS0120 | 02 | 05 | 03 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-950-JE-01103 | 05 | 06 | - | - | - | 02 | FGS_DI01 | - |
| 84 | SCS0120 | 02 | 05 | 04 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-950-JE-03103 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 85 | SCS0120 | 02 | 05 | 05 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-950-JE-03103 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |
| 86 | SCS0120 | 02 | 05 | 06 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-950-JE-03103 | 05 | 06 | - | - | - | 02 | FGS_DI01 | - |
| 87 | SCS0120 | 02 | 05 | 07 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-950-JE-03103 | 07 | 08 | - | - | - | 02 | FGS_DI01 | - |
| 88 | SCS0120 | 02 | 05 | 08 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | TB-950-JE-03103 | 09 | 10 | - | - | - | 02 | FGS_DI01 | - |
| 89 | SCS0120 | 02 | 05 | 09 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | TB-950-JE-03103 | 11 | 12 | - | - | - | 02 | FGS_DI01 | - |
| 90 | SCS0120 | 02 | 05 | 10 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | - | - | - | - | - | - | 02 | FGS_DI01 | - |
| 91 | SCS0120 | 02 | 05 | 11 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 92 | SCS0120 | 02 | 05 | 12 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 93 | SCS0120 | 02 | 05 | 13 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 94 | SCS0120 | 02 | 05 | 14 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 95 | SCS0120 | 02 | 05 | 15 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 96 | SCS0120 | 02 | 05 | 16 | B400-FGS-001 | TB-02-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 97 | SCS0120 | 02 | 07 | 01 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-01104 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 98 | SCS0120 | 02 | 07 | 02 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-01104 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 99 | SCS0120 | 02 | 07 | 03 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-01104 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 100 | SCS0120 | 02 | 07 | 04 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 04A | 04B | TB-950-JE-01104 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 101 | SCS0120 | 02 | 07 | 05 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 05A | 05B | TB-950-JE-02104 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 102 | SCS0120 | 02 | 07 | 06 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 06A | 06B | TB-950-JE-02104 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 103 | SCS0120 | 02 | 07 | 07 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 07A | 07B | TB-950-JE-02104 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 104 | SCS0120 | 02 | 07 | 08 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 08A | 08B | TB-950-JE-03104 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 105 | SCS0120 | 02 | 07 | 09 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-950-JE-03104 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 106 | SCS0120 | 02 | 07 | 10 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-03104 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 107 | SCS0120 | 02 | 07 | 11 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-950-JE-03104 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 108 | SCS0120 | 02 | 07 | 12 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 12A | 12B | TB-950-JE-03104 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 109 | SCS0120 | 02 | 07 | 13 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 13A | 13B | TB-950-JE-03104 | 11 | 12 | - | - | - | 02 | FGS_DO01 | - |
| 110 | SCS0120 | 02 | 07 | 14 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 14A | 14B | TB-950-JE-02104 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 111 | SCS0120 | 02 | 07 | 15 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | TB-950-JE-02104 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 112 | SCS0120 | 02 | 07 | 16 | B400-FGS-001 | TB-02-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | TB-950-JE-02104 | 11 | 12 | - | - | - | 02 | FGS_DO01 | - |
| 113 | SCS0120 | 03 | 01 | 01 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02102 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 114 | SCS0120 | 03 | 01 | 02 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02102 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 115 | SCS0120 | 03 | 01 | 03 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02102 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 116 | SCS0120 | 03 | 01 | 04 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-02101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 117 | SCS0120 | 03 | 01 | 05 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-01101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 118 | SCS0120 | 03 | 01 | 06 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 119 | SCS0120 | 03 | 01 | 07 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03102 | 7 | 8 | 9 | - | - | 02 | FGS_AI01 | - |
| 120 | SCS0120 | 03 | 01 | 08 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03102 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 121 | SCS0120 | 03 | 01 | 09 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 122 | SCS0120 | 03 | 01 | 10 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-05101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 123 | SCS0120 | 03 | 01 | 11 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-950-JE-04201 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 124 | SCS0120 | 03 | 01 | 12 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-950-JE-04201 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 125 | SCS0120 | 03 | 01 | 13 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-03101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 126 | SCS0120 | 03 | 01 | 14 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | TB-950-JE-02101 | 34 | 35 | 36 | - | - | 02 | FGS_AI01 | - |
| 127 | SCS0120 | 03 | 01 | 15 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | TB-950-JE-03101 | 28 | 29 | 30 | - | - | 02 | FGS_AI01 | - |
| 128 | SCS0120 | 03 | 01 | 16 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | TB-950-JE-03101 | 31 | 32 | 33 | - | - | 02 | FGS_AI01 | - |
| 129 | SCS0120 | 03 | 03 | 01 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02102 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 130 | SCS0120 | 03 | 03 | 02 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02102 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 131 | SCS0120 | 03 | 03 | 03 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02102 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 132 | SCS0120 | 03 | 03 | 04 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-02101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 133 | SCS0120 | 03 | 03 | 05 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-01101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 134 | SCS0120 | 03 | 03 | 06 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-04101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 135 | SCS0120 | 03 | 03 | 07 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03102 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 136 | SCS0120 | 03 | 03 | 08 | B400-FGS-001 | TB-02-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-03101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 137 | SCS0120 | 03 | 03 | 09 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 19 | 20 | 21 | - | - | 02 | FGS_AI01 | - |
| 138 | SCS0120 | 03 | 03 | 10 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-05101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 139 | SCS0120 | 03 | 03 | 11 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-950-JE-03101 | 34 | 35 | 36 | - | - | 02 | FGS_AI01 | - |
| 140 | SCS0120 | 03 | 03 | 12 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-950-JE-03102 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

**FGS**

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - |
| 142 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - |
| 143 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - |
| 144 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI | - |
| 145 | 950-MFA-04101 | 950-MF-04101 | 950MFA-04101 | - | Push button DPDT contact | FZ-04 Manual fire alarm (MFA) | FZ4(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 146 | 950-MFA-04102 | 950-MF-04102 | 950MFA-04102 | - | Push button DPDT contact | FZ-04 Manual fire alarm (MFA) | FZ4(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 147 | 950-MFA-05101 | 950-MF-05101 | 950MFA-05101 | - | Push button DPDT contact | FZ-05 Manual fire alarm (MFA) | FZ5(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 148 | 950-MFA-05102 | 950-MF-05102 | 950MFA-05102 | - | Push button DPDT contact | FZ-05 Manual fire alarm (MFA) | FZ5(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 149 | 950-MFA-05103 | 950-MF-05103 | 950MFA-05103 | - | Push button DPDT contact | FZ-05 Manual fire alarm (MFA) | FZ5(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 150 | 950-MFA-05104 | 950-MF-05104 | 950MFA-05104 | - | Push button DPDT contact | FZ-05 Manual fire alarm (MFA) | FZ5(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 151 | 950-MFA-06101 | 950-MF-06101 | 950MFA-06101 | - | Push button DPDT contact | FZ-06 Manual fire alarm (MFA) | FZ6(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 152 | 950-MFA-06102 | 950-MF-06102 | 950MFA-06102 | - | Push button DPDT contact | FZ-06 Manual fire alarm (MFA) | FZ6(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 153 | WS0120030509 | - | WS0120030509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 154 | WS0120030510 | - | WS0120030510 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 155 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 156 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 157 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 158 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 159 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 160 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 161 | 950-XZ-04101 | 950-XZ-04101 | 950XZ-04101 | - | Monotone sounder | FZ-04 Acoustic fire&gas alarm | FZ4 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 162 | 950-XZ-04102 | 950-XZ-04102 | 950XZ-04102 | - | Monotone sounder | FZ-04 Acoustic fire&gas alarm | FZ4 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 163 | 950-XL-04101 | 950-XL-04101 | 950XL-04101 | - | Flash beacon (AMBER) | FZ-04 Optical exp gas alarm | FZ4 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 164 | 950-XL-04102 | 950-XL-04102 | 950XL-04102 | - | Flash beacon (RED) | FZ-04 Optical fire alarm | FZ4 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 165 | 950-XL-04103 | 950-XL-04103 | 950XL-04103 | - | Flash beacon (AMBER) | FZ-04 Optical exp gas alarm | FZ4 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 166 | 950-XL-04104 | 950-XL-04104 | 950XL-04104 | - | Flash beacon (RED) | FZ-04 Optical fire alarm | FZ4 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 167 | 950-XZ-04203 | 950-XZ-04203 | 950XZ-04203 | - | Monotone sounder | FZ-04 Acoustic fire&gas alarm B-200 LV SWGR room | FZ4 AC FG AL | B200 LV S.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 168 | 950-XL-04205 | 950-XL-04205 | 950XL-04205 | - | Flash beacon (AMBER) | FZ-04 Optical exp gas alarm B-200 LV SWGR room | FZ4 OPT G.AL | B200 LV S.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 169 | 950-XL-04206 | 950-XL-04206 | 950XL-04206 | - | Flash beacon (RED) | FZ-04 Optical fire alarm B-200 LV SWGR room | FZ4 OPT F.AL | B200 LV S.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 170 | 77-HY-003 | 77-H-003 | 77HY-003 | - | Command signal | Fire Dumper #1 B-200 LV SWGR room | FIRE DUMP.1 | B200 LV S.R | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 171 | 77-HY-004 | 77-H-004 | 77HY-004 | - | Command signal | Fire Dumper #2 B-200 LV SWGR room | FIRE DUMP.2 | B200 LV S.R | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 172 | WS0120030712 | - | WS0120030712 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 173 | WS0120030713 | - | WS0120030713 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 174 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 175 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 176 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 177 | 950-GDZ-02113 | 950-GD-02113 | 950GDZ-02113 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 178 | 950-GDZ-02114 | 950-GD-02114 | 950GDZ-02114 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 179 | 950-GDZ-02115 | 950-GD-02115 | 950GDZ-02115 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 180 | 950-GDZ-04207 | 950-GD-04207 | 950GDZ-04207 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 HVAC air intake | FZ4 H2D B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 181 | 950-GDZ-04210 | 950-GD-04210 | 950GDZ-04210 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 AC UPS room | FZ4 H2D B300 | AC UPS RM | - | - | L | Field | FGS | AI | 4-20 mA |
| 182 | 950-GDZ-06201 | 950-GD-06201 | 950GDZ-06201 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HVAC air intake | FZ6 H2D B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 183 | 950-GDZ-06204 | 950-GD-06204 | 950GDZ-06204 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HV/MV SWGR room | FZ6 H2D B100 | SW RM | - | - | L | Field | FGS | AI | 4-20 mA |
| 184 | 950-GDZ-03103 | 950-GD-03103 | 950GDZ-03103 | - | Ultrasonic H2 leak detector | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 185 | 950-GDZ-05104 | 950-GD-05104 | 950GDZ-05104 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 186 | 950-FDZ-05104 | 950-FD-05104 | 950FDZ-05104 | - | UV-IR Flame detector | FZ-05 Flame detect. in bess area | FZ5 FD BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 187 | 950-GDZ-04201 | 950-GD-04201 | 950GDZ-04201 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 HVAC air intake | FZ4 H2D B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 188 | 950-GDZ-04204 | 950-GD-04204 | 950GDZ-04204 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 I&T equip. room | FZ4 H2D B400 | I&T E.R | - | - | L | Field | FGS | AI | 4-20 mA |
| 189 | WS0120040113 | - | WS0120040113 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 190 | WS0120040114 | - | WS0120040114 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 191 | WS0120040115 | - | WS0120040115 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 192 | 950-GDZ-01103 | 950-GD-01103 | - | - | Ultrasonic H2 leak detector | FZ-01 H2 detect. in fuel cell package area | FZ1 H2D F.C | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 193 | 950-GDZ-02116 | 950-GD-02116 | 950GDZ-02116 | - | Electrochem. H2 gas detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 194 | 950-GDZ-02117 | 950-GD-02117 | 950GDZ-02117 | - | Ultrasonic H2 leak detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 195 | 950-GDZ-02118 | 950-GD-02118 | 950GDZ-02118 | - | Ultrasonic H2 leak detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI | 0-20 mA |
| 196 | 950-GDZ-04208 | 950-GD-04208 | 950GDZ-04208 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 HVAC air intake | FZ4 H2D B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 0-20 mA |
| 197 | 950-GDZ-04211 | 950-GD-04211 | 950GDZ-04211 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 AC UPS room | FZ4 H2D B300 | AC UPS RM | - | - | L | Field | FGS | AI | 4-20 mA |
| 198 | 950-GDZ-06202 | 950-GD-06202 | 950GDZ-06202 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HVAC air intake | FZ6 H2D B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 199 | 950-GDZ-06205 | 950-GD-06205 | 950GDZ-06205 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HV/MV SWGR room | FZ6 H2D B100 | SW RM | - | - | L | Field | FGS | AI | 4-20 mA |
| 200 | 950-GDZ-03104 | 950-GD-03104 | 950GDZ-03104 | - | Ultrasonic H2 leak detector | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 201 | 950-GDZ-05105 | 950-GD-05105 | 950GDZ-05105 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 202 | 950-FDZ-06101 | 950-FD-06101 | 950FDZ-06101 | - | UV-IR Flame detector | FZ-06 Flame detect. in B-100/Transformer area | FZ6 FD B100 | TR AREA | - | - | L | Field | FGS | AI | 4-20 mA |
| 203 | 950-GDZ-04202 | 950-GD-04202 | 950GDZ-04202 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 HVAC air intake | FZ4 H2D B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI | 4-20 mA |
| 204 | 950-GDZ-04205 | 950-GD-04205 | 950GDZ-04205 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 I&T equip. room | FZ4 H2D B400 | I&T E.R | - | - | L | Field | FGS | AI | 4-20 mA |
| 205 | 950-FDZ-06102 | - | 950-FDZ-06102 | - | - | FZ-06 Flame detect. in B-100/Transformer area | FZ6 FD B100 | TR AREA | - | - | - | - | FGS | AI | - |
| 206 | WS0120040314 | - | WS0120040314 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 207 | WS0120040315 | - | WS0120040315 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 208 | WS0120040316 | - | WS0120040316 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI | - |
| 209 | 950-MFA-02101 | 950-MF-02101 | 950MFA-02101 | - | Push button DPDT contact | FZ-02 Manual fire alarm (MFA) | FZ2(MFA) | | - | - | L | Field | FGS | DI | FVC-24Vdc |
| 210 | 950-MFA-04201 | 950-MF-04201 | 950MFA-04201 | - | Push button DPDT contact | FZ-04 Manual fire alarm (MFA) B-400 I&T equip. room | FZ4(MFA) | B400 I&T E.R | - | - | L | Field | FGS | DI | FVC-24Vdc |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04101 | 950-JE-04101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 142 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 143 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 144 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 145 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04102 | 950-JE-04102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 146 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04102 | 950-JE-04102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 147 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05102 | 950-JE-05102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 148 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05102 | 950-JE-05102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 149 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05102 | 950-JE-05102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 150 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05102 | 950-JE-05102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - |
| 151 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06102 | 950-JE-06102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 152 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06102 | 950-JE-06102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 153 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06102 | 950-JE-06102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 154 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06102 | 950-JE-06102 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR4 | - | - | - | - |
| 155 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 156 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 157 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 158 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 159 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 160 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 161 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 162 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 163 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 164 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 165 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 166 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04103 | 950-JE-04103 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 167 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04203 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 168 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04203 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 169 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04203 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 170 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 171 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04203 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 172 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 21BK-22BK | - | - | - | - |
| 173 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 23BK-24BK | - | - | - | - |
| 174 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 175 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 176 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 177 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17M | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR7 | - | - | - | - |
| 178 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17N | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR8 | - | - | - | - |
| 179 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17O | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR9 | - | - | - | - |
| 180 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 10A | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 181 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 09A | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 182 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 02A | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 183 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 01A | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 184 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 24C | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 185 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20D | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR8 | - | - | - | - |
| 186 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26D | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 187 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 14A | - | C-950-GDZ-04201 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 188 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 13A | - | C-950-GDZ-04204 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 189 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR11 | - | - | - | - |
| 190 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR11 | - | - | - | - |
| 191 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR12 | - | - | - | - |
| 192 | 4-WIRE | NIS | - | Db | 55 | 110 | - | - | hold | hold | - | - | - | - | - | - | 950-JE-01102 | 950-JE-01102 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 193 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17P | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR10 | - | - | - | - |
| 194 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17Q | 950-JE-02103 | 950-JE-02103 / B400-FGS-002 | 6x3x2.5 mm2 | TR1 | - | - | - | - |
| 195 | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17R | 950-JE-02103 | 950-JE-02103 / B400-FGS-002 | 6x3x2.5 mm2 | TR2 | - | - | - | - |
| 196 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 10B | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 197 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 09B | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 198 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 02B | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 199 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 01B | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 200 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo4 | 24D | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 201 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20E | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR9 | - | - | - | - |
| 202 | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26E | 950-JE-06101 | 950-JE-06101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR1 | - | - | - | - |
| 203 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 14B | - | C-950-GDZ-04202 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 204 | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 13B | - | C-950-GDZ-04205 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 205 | 2-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | - | - | --- | --- | --- | --- | - | - | - | - |
| 206 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02102 | 950-JE-02102 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR12 | - | - | - | - |
| 207 | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-02103 | 950-JE-02103 / B400-FGS-002 | 6x3x2.5 mm2 | TR5 | - | - | - | - |
| 208 | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 209 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-02101 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 210 | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-04201 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | SCS0120 | 03 | 03 | 13 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-04101 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 142 | SCS0120 | 03 | 03 | 14 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 143 | SCS0120 | 03 | 03 | 15 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 144 | SCS0120 | 03 | 03 | 16 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 145 | SCS0120 | 03 | 05 | 01 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 01A | 01B | TB-950-JE-04102 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 146 | SCS0120 | 03 | 05 | 02 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 02A | 02B | TB-950-JE-04102 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |
| 147 | SCS0120 | 03 | 05 | 03 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-950-JE-05102 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 148 | SCS0120 | 03 | 05 | 04 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-950-JE-05102 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |
| 149 | SCS0120 | 03 | 05 | 05 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-950-JE-05102 | 05 | 06 | - | - | - | 02 | FGS_DI01 | - |
| 150 | SCS0120 | 03 | 05 | 06 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-950-JE-05102 | 07 | 08 | - | - | - | 02 | FGS_DI01 | - |
| 151 | SCS0120 | 03 | 05 | 07 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-950-JE-06102 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 152 | SCS0120 | 03 | 05 | 08 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | TB-950-JE-06102 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |
| 153 | SCS0120 | 03 | 05 | 09 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | TB-950-JE-06102 | 05 | 06 | - | - | - | 02 | FGS_DI01 | - |
| 154 | SCS0120 | 03 | 05 | 10 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | TB-950-JE-06102 | 07 | 08 | - | - | - | 02 | FGS_DI01 | - |
| 155 | SCS0120 | 03 | 05 | 11 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 156 | SCS0120 | 03 | 05 | 12 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 157 | SCS0120 | 03 | 05 | 13 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 158 | SCS0120 | 03 | 05 | 14 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 159 | SCS0120 | 03 | 05 | 15 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 160 | SCS0120 | 03 | 05 | 16 | B400-FGS-001 | TB-03-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 161 | SCS0120 | 03 | 07 | 01 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-04103 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 162 | SCS0120 | 03 | 07 | 02 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-04103 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 163 | SCS0120 | 03 | 07 | 03 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-04103 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 164 | SCS0120 | 03 | 07 | 04 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 04A | 04B | TB-950-JE-04103 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 165 | SCS0120 | 03 | 07 | 05 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 05A | 05B | TB-950-JE-04103 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 166 | SCS0120 | 03 | 07 | 06 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 06A | 06B | TB-950-JE-04103 | 11 | 12 | - | - | - | 02 | FGS_DO01 | - |
| 167 | SCS0120 | 03 | 07 | 07 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 07A | 07B | TB-950-JE-04203 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 168 | SCS0120 | 03 | 07 | 08 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 08A | 08B | TB-950-JE-04203 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 169 | SCS0120 | 03 | 07 | 09 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-950-JE-04203 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 170 | SCS0120 | 03 | 07 | 10 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-06203 | 11 | 12 | - | KFD0-RSH-1.4S.PS2 | KA1 | 02 | FGS_DO03 | - |
| 171 | SCS0120 | 03 | 07 | 11 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-950-JE-04203 | 07 | 08 | - | KFD0-RSH-1.4S.PS2 | KA2 | 02 | FGS_DO03 | - |
| 172 | SCS0120 | 03 | 07 | 12 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 12A | 12B | TB-950-JE-04207 | 21 | 22 | - | KFD0-RSH-1.4S.PS2 | KA19 | 02 | FGS_DO03 | - |
| 173 | SCS0120 | 03 | 07 | 13 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 13A | 13B | TB-950-JE-04207 | 23 | 24 | - | KFD0-RSH-1.4S.PS2 | KA20 | 02 | FGS_DO03 | - |
| 174 | SCS0120 | 03 | 07 | 14 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 175 | SCS0120 | 03 | 07 | 15 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 176 | SCS0120 | 03 | 07 | 16 | B400-FGS-001 | TB-03-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 177 | SCS0120 | 04 | 01 | 01 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02102 | 19 | 20 | 21 | - | - | 02 | FGS_AI01 | - |
| 178 | SCS0120 | 04 | 01 | 02 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02102 | 22 | 23 | 24 | - | - | 02 | FGS_AI01 | - |
| 179 | SCS0120 | 04 | 01 | 03 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02102 | 25 | 26 | 27 | - | - | 02 | FGS_AI01 | - |
| 180 | SCS0120 | 04 | 01 | 04 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04205 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 181 | SCS0120 | 04 | 01 | 05 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04205 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 182 | SCS0120 | 04 | 01 | 06 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-06201 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 183 | SCS0120 | 04 | 01 | 07 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06201 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 184 | SCS0120 | 04 | 01 | 08 | B400-FGS-001 | TB-03-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-03101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 185 | SCS0120 | 04 | 01 | 09 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 22 | 23 | 24 | - | - | 02 | FGS_AI01 | - |
| 186 | SCS0120 | 04 | 01 | 10 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-05101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 187 | SCS0120 | 04 | 01 | 11 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-B400-FGS-002-3 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 188 | SCS0120 | 04 | 01 | 12 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-B400-FGS-002-3 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 189 | SCS0120 | 04 | 01 | 13 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-02102 | 31 | 32 | 33 | - | - | 02 | FGS_AI01 | - |
| 190 | SCS0120 | 04 | 01 | 14 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | TB-950-JE-05101 | 31 | 32 | 33 | - | - | 02 | FGS_AI01 | - |
| 191 | SCS0120 | 04 | 01 | 15 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | TB-950-JE-05101 | 34 | 35 | 36 | - | - | 02 | FGS_AI01 | - |
| 192 | SCS0120 | 04 | 01 | 16 | B400-FGS-001 | TB-04-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | TB-950-JE-01102 | 7 | 8 | 9 | - | - | 02 | FGS_AI01 | - |
| 193 | SCS0120 | 04 | 03 | 01 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02102 | 28 | 29 | 30 | - | - | 02 | FGS_AI01 | - |
| 194 | SCS0120 | 04 | 03 | 02 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02103 | 1 | 2 | 3 | - | - | 02 | FGS_AI01 | - |
| 195 | SCS0120 | 04 | 03 | 03 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | TB-950-JE-02103 | 4 | 5 | 6 | - | - | 02 | FGS_AI01 | - |
| 196 | SCS0120 | 04 | 03 | 04 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04205 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 197 | SCS0120 | 04 | 03 | 05 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04205 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 198 | SCS0120 | 04 | 03 | 06 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-06201 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 199 | SCS0120 | 04 | 03 | 07 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06201 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 200 | SCS0120 | 04 | 03 | 08 | B400-FGS-001 | TB-03-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-03101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 201 | SCS0120 | 04 | 03 | 09 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 25 | 26 | 27 | - | - | 02 | FGS_AI01 | - |
| 202 | SCS0120 | 04 | 03 | 10 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-06101 | 01 | 02 | 03 | - | - | 02 | FGS_AI01 | - |
| 203 | SCS0120 | 04 | 03 | 11 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-B400-FGS-002-3 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | - |
| 204 | SCS0120 | 04 | 03 | 12 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-B400-FGS-002-3 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 205 | SCS0120 | 04 | 03 | 13 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 206 | SCS0120 | 04 | 03 | 14 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | TB-950-JE-02102 | 34 | 35 | 36 | - | - | 02 | FGS_AI01 | - |
| 207 | SCS0120 | 04 | 03 | 15 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | TB-950-JE-02103 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 208 | SCS0120 | 04 | 03 | 16 | B400-FGS-001 | TB-04-03 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 209 | SCS0120 | 04 | 05 | 01 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 01A | 01B | TB-B400-FGS-002-1 | 01 | 02 | - | - | - | 02 | FGS_DI01 | - |
| 210 | SCS0120 | 04 | 05 | 02 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 02A | 02B | TB-B400-FGS-002-1 | 03 | 04 | - | - | - | 02 | FGS_DI01 | - |


This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## FGS

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 211 | 950-MFA-04202 | 950-MF-04202 | 950MFA-04202 | - | Push button DPDT contact | FZ-04 Manual fire alarm (MFA) B-300 AC UPS room | FZ4(MFA)B300 | AC UPS RM | - | - | L | Field | FGS | DI |
| 212 | 950-MFA-04203 | 950-MF-04203 | 950MFA-04203 | - | Push button DPDT contact | FZ-04 Manual fire alarm (MFA) B-200 LV SWGR room | FZ4(MFA) | B200 LV S.R | - | - | L | Field | FGS | DI |
| 213 | 950-MFA-05201 | 950-MF-05201 | 950MFA-05201 | - | Push button DPDT contact | FZ-05 Manual fire alarm (MFA) water treat. pkg | FZ5(MFA) | WT PKG | - | - | PKG | Package | FGS | DI |
| 214 | 950-MFA-06201 | 950-MF-06201 | 950MFA-06201 | - | Push button DPDT contact | FZ-06 Manual fire alarm (MFA) B-100 HV/MV SWGR room | FZ6(MFA) | B100 SW RM | - | - | L | Field | FGS | DI |
| 215 | 950-MFA-07101 | 950-MF-07101 | 950MFA-07101 | - | Push button DPDT contact | FZ-07 Manual fire alarm (MFA) | FZ7(MFA) | | - | - | L | Field | FGS | DI |
| 216 | WS0120040508 | - | WS0120040508 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI |
| 217 | WS0120040509 | - | WS0120040509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI |
| 218 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 219 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 220 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 221 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 222 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 223 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 224 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 225 | 950-XZ-04202 | 950-XZ-04202 | 950XZ-04202 | - | Monotone sounder | FZ-04 Acoustic fire&gas alarm B-300 AC UPS room | FZ4 AC FG AL | B300 UPS RM | - | - | L | Field | FGS | DO |
| 226 | 950-XL-04203 | 950-XL-04203 | 950XL-04203 | - | Flash beacon (AMBER) | FZ-04 Optical exp gas alarm B-300 AC UPS room | FZ4 OPT G.AL | B300 UPS RM | - | - | L | Field | FGS | DO |
| 227 | 950-XL-04204 | 950-XL-04204 | 950XL-04204 | - | Flash beacon (RED) | FZ-04 Optical fire alarm B-300 AC UPS room | FZ4 OPT F.AL | B300 UPS RM | - | - | L | Field | FGS | DO |
| 228 | 77-HY-005 | 77-H-005 | 77HY-005 | - | Command signal | Fire Dumper #1 B-300 UPS room | FIRE DUMP.1 | B300 UPS RM | - | - | BLD | Building | FGS | DO |
| 229 | 77-HY-006 | 77-H-006 | 77HY-006 | - | Command signal | Fire Dumper #2 B-300 UPS room | FIRE DUMP.2 | B300 UPS RM | - | - | BLD | Building | FGS | DO |
| 230 | 950-XZ-05101 | 950-XZ-05101 | 950XZ-05101 | - | Monotone sounder | FZ-05 Acoustic fire&gas alarm | FZ5 ACS F&G | AL | - | - | L | Field | FGS | DO |
| 231 | 950-XZ-05102 | 950-XZ-05102 | 950XZ-05102 | - | Monotone sounder | FZ-05 Acoustic fire&gas alarm | FZ5 ACS F&G | AL | - | - | L | Field | FGS | DO |
| 232 | 950-XZ-05103 | 950-XZ-05103 | 950XZ-05103 | - | Monotone sounder | FZ-05 Acoustic fire&gas alarm | FZ5 ACS F&G | AL | - | - | L | Field | FGS | DO |
| 233 | 950-XZ-05104 | 950-XZ-05104 | 950XZ-05104 | - | Monotone sounder | FZ-05 Acoustic fire&gas alarm | FZ5 ACS F&G | AL | - | - | L | Field | FGS | DO |
| 234 | 950-XZ-05201 | 950-XZ-05201 | 950XZ-05201 | - | Monotone sounder | FZ-05 Acoustic fire&gas alarm water treat. pkg | FZ5 ACS F&G | AL WT PKG | - | - | PKG | Package | FGS | DO |
| 235 | 950-XL-05201 | 950-XL-05201 | 950XL-05201 | - | Flash beacon (AMBER) | FZ-05 Optical exp gas alarm water treat. pkg | FZ5 OPT EXP | G.AL WT PKG | - | - | PKG | Package | FGS | DO |
| 236 | 950-XL-05202 | 950-XL-05202 | 950XL-05202 | - | Flash beacon (RED) | FZ-05 Optical fire alarm water treat. pkg | FZ5 OPT F.AL | WT PKG | - | - | PKG | Package | FGS | DO |
| 237 | WS0120040713 | - | WS0120040713 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO |
| 238 | WS0120040714 | - | WS0120040714 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO |
| 239 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO |
| 240 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO |
| 241 | 950-GDZ-02119 | 950-GD-02119 | 950GDZ-02119 | - | Ultrasonic H2 leak detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI |
| 242 | 950-GDZ-02120 | 950-GD-02120 | 950GDZ-02120 | - | Ultrasonic H2 leak detector | FZ-02 H2 detect. in hydrogen storage vessels area | FZ2 H2D H2 | STO VSL AREA | - | - | L | Field | FGS | AI |
| 243 | 950-FDZ-06104 | - | 950-FDZ-06104 | - | - | FZ-06 Flame detect. in B-100/Transformer area | FZ6 FD B100 | TR AREA | - | - | - | - | FGS | AI |
| 244 | 950-GDZ-04209 | 950-GD-04209 | 950GDZ-04209 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 HVAC air intake | FZ4 H2D B300 | HVAC AIR IN. | - | - | L | Field | FGS | AI |
| 245 | 950-GDZ-04212 | 950-GD-04212 | 950GDZ-04212 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-300 AC UPS room | FZ4 H2D B300 | AC UPS RM | - | - | L | Field | FGS | AI |
| 246 | 950-GDZ-06203 | 950-GD-06203 | 950GDZ-06203 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HVAC air intake | FZ6 H2D B100 | HVAC AIR IN. | - | - | L | Field | FGS | AI |
| 247 | 950-GDZ-06206 | 950-GD-06206 | 950GDZ-06206 | - | Electrochem. H2 gas detector | FZ-06 H2 detect. in B-100 HV/MV SWGR room | FZ6 H2D B100 | SW RM | - | - | L | Field | FGS | AI |
| 248 | 950-GDZ-03105 | 950-GD-03105 | 950GDZ-03105 | - | Ultrasonic H2 leak detector | FZ-03 H2 detect. in electrolyzer package area | FZ3 H2D ELEC | PKG AREA | - | - | L | Field | FGS | AI |
| 249 | 950-GDZ-05106 | 950-GD-05106 | 950GDZ-05106 | - | Electrochem. H2 gas detector | FZ-05 H2 detect. in bess area | FZ5 H2D BESS | AREA | - | - | L | Field | FGS | AI |
| 250 | 950-FDZ-06103 | 950-FD-06103 | 950FDZ-06103 | - | UV-IR Flame detector | FZ-06 Flame detect. in B-100/Transformer area | FZ6 FD B100 | TR AREA | - | - | L | Field | FGS | AI |
| 251 | 950-GDZ-04203 | 950-GD-04203 | 950GDZ-04203 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 HVAC air intake | FZ4 H2D B400 | HVAC AIR IN. | - | - | L | Field | FGS | AI |
| 252 | 950-GDZ-04206 | 950-GD-04206 | 950GDZ-04206 | - | Electrochem. H2 gas detector | FZ-04 H2 detect. in B-400 I&T equip. room | FZ4 H2D B400 | I&T E.R | - | - | L | Field | FGS | AI |
| 253 | WS0120050113 | - | WS0120050113 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI |
| 254 | WS0120050114 | - | WS0120050114 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | AI |
| 255 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI |
| 256 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | AI |
| 257 | 77-ZSL-001 | 77-H-001 | 77ZSL-001 | - | Status signal | Fire Dumper #1 B-100 HV/MV SWGR room | B100 F DAMP | AHU1 INL.AIR | - | - | BLD | Building | FGS | DI |
| 258 | 77-ZSL-002 | 77-H-002 | 77ZSL-002 | - | Status signal | Fire Dumper #1 B-100 HV/MV SWGR room | B100 F DAMP | AHU2 INL.AIR | - | - | BLD | Building | FGS | DI |
| 259 | 77-ZSL-003 | 77-H-003 | 77ZSL-003 | - | Status signal | Fire Dumper #1 B-200 LV SWGR room | B100 F DAMP | EXHAUST AIR | - | - | BLD | Building | FGS | DI |
| 260 | 77-ZSL-004 | 77-H-004 | 77ZSL-004 | - | Status signal | Fire Dumper #2 B-200 LV SWGR room | B200 F DAMP | AHU3 INL.AIR | - | - | BLD | Building | FGS | DI |
| 261 | 77-ZSL-005 | 77-H-005 | 77ZSL-005 | - | Status signal | Fire Dumper #1 B-300 UPS room | B200 F DAMP | AHU4 INL.AIR | - | - | BLD | Building | FGS | DI |
| 262 | 77-ZSL-006 | 77-H-006 | 77ZSL-006 | - | Status signal | Fire Dumper #2 B-300 UPS room | B200 F DAMP | EXHAUST AIR | - | - | BLD | Building | FGS | DI |
| 263 | 77-ZSL-007 | 77-H-007 | 77ZSL-007 | - | Status signal | Fire Dumper #1 B-400 I&T equip. Room | B300 F DAMP | AHU5 INL.AIR | - | - | BLD | Building | FGS | DI |
| 264 | 77-ZSL-008 | 77-H-008 | 77ZSL-008 | - | Status signal | Fire Dumper #2 B-400 I&T equip. Room | B300 F DAMP | AHU5 RTN.AIR | - | - | BLD | Building | FGS | DI |
| 265 | WS0120050309 | - | WS0120050309 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI |
| 266 | WS0120050310 | - | WS0120050310 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI |
| 267 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 268 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 269 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 270 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 271 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 272 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI |
| 273 | 85-XA-001 | 85-XA-001 | 85XA-001 | - | Status signal | A-85000 BESS PKG confirmed gas alarm | A85000 BESS | PKG CF G.AL | - | A-85000 | PKG | Package | FGS | DI |
| 274 | 85-XA-002 | 85-XA-002 | 85XA-002 | - | Status signal | A-85000 BESS PKG confirmed fire alarm | A85000 BESS | PKG CF F.AL | - | A-85000 | PKG | Package | FGS | DI |
| 275 | 20-XA-001 | 20-XA-001 | 20XA-001 | - | Status signal | A-20000 Electrolyser PKG confirmed gas alarm | A20000 ELEC | PKG CF G.AL | - | A-20000 | PKG | Package | FGS | DI |
| 276 | 20-XA-002 | 20-XA-002 | 20XA-002 | - | Status signal | A-20000 Electrolyser PKG confirmed fire alarm | A20000 ELEC | PKG CF F.AL | - | A-20000 | PKG | Package | FGS | DI |
| 277 | 80-XA-001 | 80-XA-001 | 80XA-001 | - | Status signal | A-80000 Fuel cell PKG confirmed gas alarm | A80000 F.C | PKG CF G.AL | - | A-80000 | PKG | Package | FGS | DI |
| 278 | 80-XA-002 | 80-XA-002 | 80XA-002 | - | Status signal | A-80000 Fuel cell PKG confirmed fire alarm | A80000 F.C | PKG CF F.AL | - | A-80000 | PKG | Package | FGS | DI |
| 279 | 50-XA-001 | 50-XA-001 | 50XA-001 | - | Status signal | A-500003 Sea water treatment PKG confirmed gas alarm | A50000 WTP | CF G.AL | - | A-50003 | PKG | Package | FGS | DI |
| 280 | 50-XA-002 | 50-XA-002 | 50XA-002 | - | Status signal | A-500003 Sea water treatment PKG confirmed fire alarm | A50000 WTP | CF F.AL | - | A-50003 | PKG | Package | FGS | DI |

| S.No | SIGNAL_TYPE | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 211 | FVC-24Vdc | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-04202 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 212 | FVC-24Vdc | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-04203 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 213 | FVC-24Vdc | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-05201 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 214 | FVC-24Vdc | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-06201 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 215 | FVC-24Vdc | - | NIS | YES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-MFA-07101 / B400-FGS-002 | 1 x 2 x 0.75 mm2 | - | - | - | - | - |
| 216 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 217 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 218 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 219 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 220 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 221 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 222 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 223 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 224 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 225 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 226 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 227 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 228 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 229 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04203 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 230 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05103 | 950-JE-05103 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 231 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05103 | 950-JE-05103 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 232 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05103 | 950-JE-05103 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 233 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05103 | 950-JE-05103 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 234 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05104 | 950-JE-05104 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 235 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05104 | 950-JE-05104 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 236 | 24 Vdc | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05104 | 950-JE-05104 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 237 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05104 | 950-JE-05104 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 238 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-05104 | 950-JE-05104 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 239 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 240 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 241 | 4-20 mA | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17S | 950-JE-02103 | 950-JE-02103 / B400-FGS-002 | 6x3x2.5 mm2 | TR3 | - | - | - | - |
| 242 | 4-20 mA | 4-WIRE | NIS | - | dB | 55 | 110 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo20 | 17T | 950-JE-02103 | 950-JE-02103 / B400-FGS-002 | 6x3x2.5 mm2 | TR4 | - | - | - | - |
| 243 | - | 2-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | - | - | --- | --- | --- | --- | - | - | - | - |
| 244 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 10C | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 245 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 09C | 950-JE-04205 | 950-JE-04205 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 246 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 02C | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 247 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 01C | 950-JE-06201 | 950-JE-06201 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR6 | - | - | - | - |
| 248 | 0-20 mA | 4-WIRE | NIS | - | % Vol | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 21A | 950-JE-03101 | 950-JE-03101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR5 | - | - | - | - |
| 249 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 20F | 950-JE-05101 | 950-JE-05101 / B400-FGS-002 | 12 x 3 x 2.5 mm2 | TR10 | - | - | - | - |
| 250 | 4-20 mA | 4-WIRE | NIS | - | --- | --- | --- | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo6 | 26F | 950-JE-06101 | 950-JE-06101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR2 | - | - | - | - |
| 251 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 14C | - | C-950-GDZ-04203 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 252 | 4-20 mA | 4-WIRE | NIS | - | % LFL | 0 | 100 | Hold-3 | Hold-3 | Hold-3 | Hold-3 | - | - | - | - | 2oo3 | 13C | - | C-950-GDZ-04206 / B400-FGS-002 | 3 x 2.5 mm2 | - | - | - | - | - |
| 253 | - | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06101 | 950-JE-06101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR3 | - | - | - | - |
| 254 | - | 4-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06101 | 950-JE-06101 / B400-FGS-002 | 6 x 3 x 2.5 mm2 | TR4 | - | - | - | - |
| 255 | - | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 256 | - | 2-WIRE | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 257 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B100-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 258 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B100-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 259 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B100-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 260 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B200-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 261 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B200-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 262 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B200-HSB-001 / B400-FGS-002 | 6 x 2 x 0.75 mm2 | PR3 | - | - | - | - |
| 263 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B300-HSB-001/B400-FGS-002 | 6 x 2 x 0.75mm2 | PR1 | - | - | - | - |
| 264 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B300-HSB-001/B400-FGS-002 | 6 x 2 x 0.75mm2 | PR2 | - | - | - | - |
| 265 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 266 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 267 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 268 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 269 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 270 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 271 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 272 | - | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 273 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | P320PLC / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 274 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | P320PLC / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 275 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 20-UCP-001 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 276 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 20-UCP-001 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 277 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 80-UCP-001 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 278 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 80-UCP-001 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR2 | - | - | - | - |
| 279 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 50-LP-002 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 280 | FVC-24Vdc | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 50-LP-002 / B400-FGS-002 | 2 x 2 x 0.75 mm2 | PR2 | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 211 | SCS0120 | 04 | 05 | 03 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-B400-FGS-002-1 | 05 | 06 | - | - | - | 02 | FGS_DI01 | - |
| 212 | SCS0120 | 04 | 05 | 04 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-B400-FGS-002-1 | 07 | 08 | - | - | - | 02 | FGS_DI01 | - |
| 213 | SCS0120 | 04 | 05 | 05 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-B400-FGS-002-1 | 09 | 10 | - | - | - | 02 | FGS_DI01 | - |
| 214 | SCS0120 | 04 | 05 | 06 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-B400-FGS-002-1 | 11 | 12 | - | - | - | 02 | FGS_DI01 | - |
| 215 | SCS0120 | 04 | 05 | 07 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-B400-FGS-002-1 | 13 | 14 | - | - | - | 02 | FGS_DI01 | - |
| 216 | SCS0120 | 04 | 05 | 08 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | - | - | - | - | - | - | 02 | | - |
| 217 | SCS0120 | 04 | 05 | 09 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | - | - | - | - | - | - | 02 | | - |
| 218 | SCS0120 | 04 | 05 | 10 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | - | - | - | - | - | - | 02 | | - |
| 219 | SCS0120 | 04 | 05 | 11 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 220 | SCS0120 | 04 | 05 | 12 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 221 | SCS0120 | 04 | 05 | 13 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 222 | SCS0120 | 04 | 05 | 14 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 223 | SCS0120 | 04 | 05 | 15 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 224 | SCS0120 | 04 | 05 | 16 | B400-FGS-001 | TB-04-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 225 | SCS0120 | 04 | 07 | 01 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-04207 | 1 | 2 | - | - | - | 02 | FGS_DO01 | - |
| 226 | SCS0120 | 04 | 07 | 02 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-04207 | 3 | 4 | - | - | - | 02 | FGS_DO01 | - |
| 227 | SCS0120 | 04 | 07 | 03 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-04207 | 5 | 6 | - | - | - | 02 | FGS_DO01 | - |
| 228 | SCS0120 | 04 | 07 | 04 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 04A | 04B | TB-950-JE-04207 | 09 | 10 | - | KFD0-RSH-1.4S.PS2 | KA3 | 02 | FGS_DO03 | - |
| 229 | SCS0120 | 04 | 07 | 05 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 05A | 05B | TB-950-JE-04207 | 11 | 12 | - | KFD0-RSH-1.4S.PS2 | KA4 | 02 | FGS_DO03 | - |
| 230 | SCS0120 | 04 | 07 | 06 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 06A | 06B | TB-950-JE-05103 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 231 | SCS0120 | 04 | 07 | 07 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 07A | 07B | TB-950-JE-05103 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 232 | SCS0120 | 04 | 07 | 08 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 08A | 08B | TB-950-JE-05103 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 233 | SCS0120 | 04 | 07 | 09 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-950-JE-05103 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 234 | SCS0120 | 04 | 07 | 10 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-05104 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 235 | SCS0120 | 04 | 07 | 11 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-950-JE-05104 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 236 | SCS0120 | 04 | 07 | 12 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 12A | 12B | TB-950-JE-05104 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 237 | SCS0120 | 04 | 07 | 13 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 13A | 13B | TB-950-JE-05104 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 238 | SCS0120 | 04 | 07 | 14 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 14A | 14B | TB-950-JE-05104 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 239 | SCS0120 | 04 | 07 | 15 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 240 | SCS0120 | 04 | 07 | 16 | B400-FGS-001 | TB-04-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 241 | SCS0120 | 05 | 01 | 01 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 01A | 01B | TB-950-JE-02103 | 7 | 8 | 9 | - | - | 02 | FGS_AI01 | - |
| 242 | SCS0120 | 05 | 01 | 02 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 02A | 02B | TB-950-JE-02103 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 243 | SCS0120 | 05 | 01 | 03 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 03A | 03B | - | - | - | - | - | - | 02 | | - |
| 244 | SCS0120 | 05 | 01 | 04 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 04A | 04B | TB-950-JE-04205 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 245 | SCS0120 | 05 | 01 | 05 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 05A | 05B | TB-950-JE-04205 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 246 | SCS0120 | 05 | 01 | 06 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 06A | 06B | TB-950-JE-06201 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 247 | SCS0120 | 05 | 01 | 07 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 07A | 07B | TB-950-JE-06201 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 248 | SCS0120 | 05 | 01 | 08 | B400-FGS-001 | TB-02-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 08A | 08B | TB-950-JE-03101 | 13 | 14 | 15 | - | - | 02 | FGS_AI01 | - |
| 249 | SCS0120 | 05 | 01 | 09 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 09A | 09B | TB-950-JE-05101 | 28 | 29 | 30 | - | - | 02 | FGS_AI01 | - |
| 250 | SCS0120 | 05 | 01 | 10 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 10A | 10B | TB-950-JE-06101 | 04 | 05 | 06 | - | - | 02 | FGS_AI01 | |
| 251 | SCS0120 | 05 | 01 | 11 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 11A | 11B | TB-B400-FGS-002-3 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 252 | SCS0120 | 05 | 01 | 12 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 12A | 12B | TB-B400-FGS-002-3 | 16 | 17 | 18 | - | - | 02 | FGS_AI01 | - |
| 253 | SCS0120 | 05 | 01 | 13 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 13A | 13B | TB-950-JE-06101 | 07 | 08 | 09 | - | - | 02 | FGS_AI01 | - |
| 254 | SCS0120 | 05 | 01 | 14 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 14A | 14B | TB-950-JE-06101 | 10 | 11 | 12 | - | - | 02 | FGS_AI01 | - |
| 255 | SCS0120 | 05 | 01 | 15 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 256 | SCS0120 | 05 | 01 | 16 | B400-FGS-001 | TB-05-01 | SBA4D-06 | SAI143 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 257 | SCS0120 | 05 | 03 | 01 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 01A | 01B | TB-B100-HSB-001 | 1 | 2 | - | KFD0-RSH-1.4S.PS2 | R1, R2 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 258 | SCS0120 | 05 | 03 | 02 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 02A | 02B | TB-B100-HSB-001 | 3 | 4 | - | KFD0-RSH-1.4S.PS2 | R3, R4 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 259 | SCS0120 | 05 | 03 | 03 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-B100-HSB-001 | 5 | 6 | - | KFD0-RSH-1.4S.PS2 | R5, R6 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 260 | SCS0120 | 05 | 03 | 04 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-B200-HSB-001 | 1 | 2 | - | KFD0-RSH-1.4S.PS2 | R7, R8 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 261 | SCS0120 | 05 | 03 | 05 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-B200-HSB-001 | 3 | 4 | - | KFD0-RSH-1.4S.PS2 | R9, R10 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 262 | SCS0120 | 05 | 03 | 06 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-B200-HSB-001 | 5 | 6 | - | KFD0-RSH-1.4S.PS2 | R11, R12 | 02 | FGS_DI01 | WIR to RELAY CONTACT |
| 263 | SCS0120 | 05 | 03 | 07 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-B300-HSB-001 | 1 | 2 | - | - | - | 02 | FGS_DI01 | - |
| 264 | SCS0120 | 05 | 03 | 08 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | TB-B300-HSB-001 | 3 | 4 | - | - | - | 02 | FGS_DI01 | - |
| 265 | SCS0120 | 05 | 03 | 09 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | - | - | - | - | - | - | 02 | | - |
| 266 | SCS0120 | 05 | 03 | 10 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | - | - | - | - | - | - | 02 | | - |
| 267 | SCS0120 | 05 | 03 | 11 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 268 | SCS0120 | 05 | 03 | 12 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 269 | SCS0120 | 05 | 03 | 13 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 270 | SCS0120 | 05 | 03 | 14 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 271 | SCS0120 | 05 | 03 | 15 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 272 | SCS0120 | 05 | 03 | 16 | B400-FGS-001 | TB-05-03 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 273 | SCS0120 | 05 | 05 | 01 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-002 | 01A | 01B | TB-P320PLC | 1 | 2 | - | - | - | 02 | FGS_DI01 | - |
| 274 | SCS0120 | 05 | 05 | 02 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-002 | 02A | 02B | TB-P320PLC | 3 | 4 | - | - | - | 02 | FGS_DI01 | - |
| 275 | SCS0120 | 05 | 05 | 03 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-20-UCP-001 | 1 | 2 | - | - | - | 02 | FGS_DI01 | - |
| 276 | SCS0120 | 05 | 05 | 04 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-20-UCP-001 | 3 | 4 | - | - | - | 02 | FGS_DI01 | - |
| 277 | SCS0120 | 05 | 05 | 05 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-80-UCP-001 | 1 | 2 | - | - | - | 02 | FGS_DI01 | - |
| 278 | SCS0120 | 05 | 05 | 06 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-80-UCP-001 | 3 | 4 | - | - | - | 02 | FGS_DI01 | - |
| 279 | SCS0120 | 05 | 05 | 07 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-50-LP-002 | 1 | 2 | - | - | - | 02 | FGS_DI01 | - |
| 280 | SCS0120 | 05 | 05 | 08 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | TB-50-LP-002 | 3 | 4 | - | - | - | 02 | FGS_DI01 | - |

## FGS

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | WS0120050509 | - | WS0120050509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 282 | WS0120050510 | - | WS0120050510 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 283 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 284 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 285 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 286 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 287 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 288 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |
| 289 | 950-XZ-06101 | 950-XZ-06101 | 950XZ-06101 | - | Monotone sounder | FZ-06 Acoustic fire&gas alarm | FZ6 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 290 | 950-XL-06101 | 950-XL-06101 | 950XL-06101 | - | Flash beacon (AMBER) | FZ-06 Optical exp gas alarm | FZ6 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 291 | 950-XL-06102 | 950-XL-06102 | 950XL-06102 | - | Flash beacon (RED) | FZ-06 Optical fire alarm | FZ6 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 292 | 950-XL-06103 | 950-XL-06103 | 950XL-06103 | - | Flash beacon (AMBER) | FZ-06 Optical exp gas alarm | FZ6 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 293 | 950-XL-06104 | 950-XL-06104 | 950XL-06104 | - | Flash beacon (RED) | FZ-06 Optical fire alarm | FZ6 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 294 | 950-XZ-06201 | 950-XZ-06201 | 950XZ-06201 | - | Monotone sounder | FZ-06 Acoustic fire&gas alarm B-100 HV/MV SWGR room | FZ6 AC FG AL | B100 SW RM | - | - | L | Field | FGS | DO | 24 Vdc |
| 295 | 950-XL-06201 | 950-XL-06201 | 950XL-06201 | - | Flash beacon (AMBER) | FZ-06 Optical exp gas alarm B-100 HV/MV SWGR room | FZ6 OPT G.AL | B100 SW RM | - | - | L | Field | FGS | DO | 24 Vdc |
| 296 | 950-XL-06202 | 950-XL-06202 | 950XL-06202 | - | Flash beacon (RED) | FZ-06 Optical fire alarm B-100 HV/MV SWGR room | FZ6 OPT F.AL | B100 SW RM | - | - | L | Field | FGS | DO | 24 Vdc |
| 297 | 77-HY-001 | 77-H-001 | 77HY-001 | - | Command signal | Fire Dumper #1 B-100 HV/MV SWGR room | B100 F DAMP | AHU1 INL.AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 298 | 77-HY-002 | 77-H-002 | 77HY-002 | - | Command signal | Fire Dumper #1 B-100 HV/MV SWGR room | B100 F DAMP | AHU2 INL.AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 299 | WS0120050711 | - | WS0120050711 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 300 | WS0120050712 | - | WS0120050712 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 301 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 302 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 303 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 304 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 305 | 950-XZ-07101 | 950-XZ-07101 | 950XZ-07101 | - | Monotone sounder | FZ-07 Acoustic fire&gas alarm | FZ7 ACS F&G | AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 306 | 950-XL-07101 | 950-XL-07101 | 950XL-07101 | - | Flash beacon (AMBER) | FZ-07 Optical exp gas alarm | FZ7 OPT EXP | G.AL | - | - | L | Field | FGS | DO | 24 Vdc |
| 307 | 950-XL-07102 | 950-XL-07102 | 950XL-07102 | - | Flash beacon (RED) | FZ-07 Optical fire alarm | FZ7 OPT F.AL | | - | - | L | Field | FGS | DO | 24 Vdc |
| 308 | 950-XZ-04201 | 950-XZ-04201 | 950XZ-04201 | - | Monotone sounder | FZ-04 Acoustic fire&gas alarm B-400 I&T equip. room | FZ4 AC FG AL | B400 I&T E.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 309 | 950-XL-04201 | 950-XL-04201 | 950XL-04201 | - | Flash beacon (AMBER) | FZ-04 Optical exp gas alarm B-400 I&T equip. room | FZ4 OPT G.AL | B400 I&T E.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 310 | 950-XL-04202 | 950-XL-04202 | 950XL-04202 | - | Flash beacon (RED) | FZ-04 Optical fire alarm B-400 I&T equip. room | FZ4 OPT F.AL | B400 I&T E.R | - | - | L | Field | FGS | DO | 24 Vdc |
| 311 | 77-HY-007 | 77-H-007 | 77HY-007 | - | Command signal | Fire Dumper #1 B-400 I&T equip. Room | B300 F DAMP | AHU5 INL.AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 312 | 77-HY-008 | 77-H-008 | 77HY-008 | - | Command signal | Fire Dumper #2 B-400 I&T equip. Room | B300 F DAMP | AHU5 RTN.AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 313 | 72-XS-001 | 72-XS-001 | 72-XS-001 | - | Command signal | Wave-off lights activation | WAVE-OFF | LIGHTS ACT | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 314 | WS0120060310 | - | WS0120060310 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 315 | WS0120060311 | - | WS0120060311 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 316 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 317 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 318 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 319 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 320 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 321 | 77-HY-009 | 77-H-009 | 77HY-009 | - | Command signal | B-300 Fire Damper AHU6 Inlet Air | B300 F DAMP. | AHU6 IL AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 322 | 77-HY-010 | 77-H-010 | 77HY-010 | - | Command signal | B-300 Fire Damper AHU6 Return Air | B300 F DAMP. | AHU6 RT AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 323 | 77-HY-011 | 77-H-011 | 77HY-011 | - | Command signal | B-300 Fire Damper Exhaust Air | B300 F DAMP. | EX AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 324 | 77-HY-012 | 77-H-012 | 77HY-012 | - | Command signal | B-400 Fire Damper AHU7 Inlet Air | B400 F DAMP. | AHU7 IL AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 325 | 77-HY-013 | 77-H-013 | 77HY-013 | - | Command signal | B-400 Fire Damper AHU7 Return Air | B400 F DAMP. | AHU7 RT AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 326 | 77-HY-014 | 77-H-014 | 77HY-014 | - | Command signal | B-400 Fire Damper AHU8 Inlet Air | B400 F DAMP. | AHU8 IL AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 327 | 77-HY-015 | 77-H-015 | 77HY-015 | - | Command signal | B-400 Fire Damper AHU8 Return Air | B400 F DAMP. | AHU8 RT AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 328 | 77-HY-016 | 77-H-016 | 77HY-016 | - | Command signal | B-400 Fire Damper Exhaust Air | B400 F DAMP. | EX AIR | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 329 | WS0120060509 | - | WS0120060509 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 330 | WS0120060510 | - | WS0120060510 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DO | - |
| 331 | 72-XS-002 | 72-XS-002 | 72-XS-002 | - | Command signal | B-300 Visibility meter power cut-off | B300 VIS MTR | PWR CUT-OFF | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 332 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DO | - |
| 333 | 70-XS-011A | - | 70XS-011A | - | - | B200 F DAMP. | B200 F DAMP. | | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 334 | 70-XS-011B | - | 70XS-011B | - | - | B200 F DAMP. | B200 F DAMP. | | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 335 | 70-XS-012A | - | 70XS-012A | - | - | B100 F DAMP. | B100 F DAMP. | | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 336 | 70-XS-012B | - | 70XS-012B | - | - | B100 F DAMP. | B100 F DAMP. | | - | - | BLD | Building | FGS | DO | 24 Vdc |
| 337 | 77-ZSL-009 | 77-H-009 | 77ZSL-009 | - | Status signal | B-300 Fire Damper AHU6 Inlet Air | B300 F DAMP. | AHU6 IL AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 338 | 77-ZSL-010 | 77-H-010 | 77ZSL-010 | - | Status signal | B-300 Fire Damper AHU6 Return Air | B300 F DAMP. | AHU6 RT AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 339 | 77-ZSL-011 | 77-H-011 | 77ZSL-011 | - | Status signal | B-300 Fire Damper Exhaust Air | B300 F DAMP. | EX AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 340 | 77-ZSL-012 | 77-H-012 | 77ZSL-012 | - | Status signal | B-400 Fire Damper AHU7 Inlet Air | B400 F DAMP. | AHU7 IL AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 341 | 77-ZSL-013 | 77-H-013 | 77ZSL-013 | - | Status signal | B-400 Fire Damper AHU7 Return Air | B400 F DAMP. | AHU7 RT AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 342 | 77-ZSL-014 | 77-H-014 | 77ZSL-014 | - | Status signal | B-400 Fire Damper AHU8 Inlet Air | B400 F DAMP. | AHU8 IL AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 343 | 77-ZSL-015 | 77-H-015 | 77ZSL-015 | - | Status signal | B-400 Fire Damper AHU8 Return Air | B400 F DAMP. | AHU8 RT AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 344 | 77-ZSL-016 | 77-H-016 | 77ZSL-016 | - | Status signal | B-400 Fire Damper Exhaust Air | B400 F DAMP. | EX AIR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 345 | 70-XA-051 | 70-XA-051 | - | - | Status signal | F&G Panel Ventilation Fan Fault | F&G PNL VENT | FAN FLT | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 346 | 70-XA-052 | 70-XA-052 | - | - | Status signal | F&G Panel Power supply & Diodes failure | F&G PNL P.S | & DIODE FLR | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 347 | 70-XA-053 | 70-XA-053 | - | - | Status signal | F&G Panel Cumulative Breaker Fault | F&G PNL C.B | FLT | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 348 | 70-XA-054 | 70-XA-054 | - | - | Status signal | F&G Panel High Temperature Alarm | F&G PNL HI | TEMP AL | - | - | BLD | Building | FGS | DI | FVC-24Vdc |
| 349 | WS0120060713 | - | WS0120060713 | - | - | WIRED SPARE | WIRED SPARE | | - | - | - | - | FGS | DI | - |
| 350 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - |

| S.No | 2/4 WIRE | Ex-i | LINE MONITORING | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 282 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 283 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 284 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 285 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 286 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 287 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 288 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 289 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 290 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 291 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 292 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 293 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 294 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 295 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 296 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 297 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 298 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06203 | 950-JE-06203 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 299 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-06103 | 950-JE-06103 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 300 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 301 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 302 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 303 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 304 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 305 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 01BK-02BK | - | - | - | - |
| 306 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 03BK-04BK | - | - | - | - |
| 307 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 05BK-06BK | - | - | - | - |
| 308 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-XZ-04201 / B400-FGS-002 | 2 x 2.5 mm2 | - | - | - | - | - |
| 309 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-XL-04201 / B400-FGS-002 | 2 x 2.5 mm2 | - | - | - | - | - |
| 310 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-950-XL-04202 / B400-FGS-002 | 2 x 2.5 mm2 | - | - | - | - | - |
| 311 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 07BK-08BK | - | - | - | - |
| 312 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 313 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-NC-200F2 / B400-FGS-002.01 | 2 x 2.5 mm2 | 1BK-2BK | - | - | - | - |
| 314 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 09BK-10BK | - | - | - | - |
| 315 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-07101 | 950-JE-07101 / B400-FGS-002 | 12 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 316 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 317 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 318 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 319 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 320 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 321 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 11BK-12BK | - | - | - | - |
| 322 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 13BK-14BK | - | - | - | - |
| 323 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 15BK-16BK | - | - | - | - |
| 324 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-HS-012B / B400-FGS-002 | 2 x 2,5 | 1BK-2BK | - | - | - | - |
| 325 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-HS-013B / B400-FGS-002 | 2 x 2,5 | 1BK-2BK | - | - | - | - |
| 326 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-HS-014B / B400-FGS-002 | 2 x 2,5 | 1BK-2BK | - | - | - | - |
| 327 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-HS-015B / B400-FGS-002 | 2 x 2.5 mm2 | 1BK-2BK | - | - | - | - |
| 328 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-HS-016B / B400-FGS-002 | 2 x 2.5 mm2 | 1BK-2BK | - | - | - | - |
| 329 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 17BK-18BK | - | - | - | - |
| 330 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 950-JE-04207 | 950-JE-04207 / B400-FGS-002 | 24 x 2.5 mm2 | 19BK-20BK | - | - | - | - |
| 331 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-NC-200F2 / B400-FGS-002.02 | 2 x 2.5 mm2 | 1BK-2BK | - | - | - | - |
| 332 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 333 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 334 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 335 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 336 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 337 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B300-HSB-001/B400-FGS-002 | 6 x 2 x 0.75mm2 | PR3 | - | - | - | - |
| 338 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B300-HSB-001/B400-FGS-002 | 6 x 2 x 0.75mm2 | PR4 | - | - | - | - |
| 339 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B300-HSB-001/B400-FGS-002 | 6 x 2 x 0.75mm2 | PR5 | - | - | - | - |
| 340 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-ZSL-012/B400-FGS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 341 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-ZSL-013/B400-FGS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 342 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-ZSL-014/B400-FGS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 343 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-ZSL-015/B400-FGS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 344 | - | NIS | NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C-77-ZSL-016/B400-FGS-002 | 1 x 2 x 0.75 mm2 | PR1 | - | - | - | - |
| 345 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 346 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 347 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 348 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | - | - | - | - |
| 349 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | INTERNAL WIRING | - | - | | | | |
| 350 | - | NIS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | SCS0120 | 05 | 05 | 09 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | - | - | - | - | - | - | 02 | | - |
| 282 | SCS0120 | 05 | 05 | 10 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | - | - | - | - | - | - | 02 | | - |
| 283 | SCS0120 | 05 | 05 | 11 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | - | - | - | - | - | - | 02 | | - |
| 284 | SCS0120 | 05 | 05 | 12 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 285 | SCS0120 | 05 | 05 | 13 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 286 | SCS0120 | 05 | 05 | 14 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 287 | SCS0120 | 05 | 05 | 15 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 288 | SCS0120 | 05 | 05 | 16 | B400-FGS-001 | TB-05-05 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 289 | SCS0120 | 05 | 07 | 01 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-06103 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 290 | SCS0120 | 05 | 07 | 02 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-06103 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 291 | SCS0120 | 05 | 07 | 03 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-06103 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 292 | SCS0120 | 05 | 07 | 04 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 04A | 04B | TB-950-JE-06103 | 07 | 08 | - | - | - | 02 | FGS_DO01 | - |
| 293 | SCS0120 | 05 | 07 | 05 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 05A | 05B | TB-950-JE-06103 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 294 | SCS0120 | 05 | 07 | 06 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 06A | 06B | TB-950-JE-06203 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 295 | SCS0120 | 05 | 07 | 07 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 07A | 07B | TB-950-JE-06203 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 296 | SCS0120 | 05 | 07 | 08 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 08A | 08B | TB-950-JE-06203 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 297 | SCS0120 | 05 | 07 | 09 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-950-JE-06203 | 07 | 08 | - | KFD0-RSH-1.4S.PS2 | KA5 | 02 | FGS_DO03 | - |
| 298 | SCS0120 | 05 | 07 | 10 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-06203 | 09 | 10 | - | KFD0-RSH-1.4S.PS2 | KA6 | 02 | FGS_DO03 | - |
| 299 | SCS0120 | 05 | 07 | 11 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-950-JE-06103 | 11 | 12 | - | | - | 02 | FGS_DO01 | - |
| 300 | SCS0120 | 05 | 07 | 12 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-002 | 12A | 12B | TB-950-JE-07101 | 07 | 08 | - | | - | 02 | FGS_DO01 | - |
| 301 | SCS0120 | 05 | 07 | 13 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 302 | SCS0120 | 05 | 07 | 14 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 303 | SCS0120 | 05 | 07 | 15 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 304 | SCS0120 | 05 | 07 | 16 | B400-FGS-001 | TB-05-07 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 305 | SCS0120 | 06 | 03 | 01 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-07101 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 306 | SCS0120 | 06 | 03 | 02 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-07101 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 307 | SCS0120 | 06 | 03 | 03 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-07101 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 308 | SCS0120 | 06 | 03 | 04 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 04A | 04B | TB-B400-FGS-002-6 | 01 | 02 | - | - | - | 02 | FGS_DO01 | - |
| 309 | SCS0120 | 06 | 03 | 05 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 05A | 05B | TB-B400-FGS-002-6 | 03 | 04 | - | - | - | 02 | FGS_DO01 | - |
| 310 | SCS0120 | 06 | 03 | 06 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 06A | 06B | TB-B400-FGS-002-6 | 05 | 06 | - | - | - | 02 | FGS_DO01 | - |
| 311 | SCS0120 | 06 | 03 | 07 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 07A | 07B | TB-950-JE-04207 | 7 | 8 | - | KFD0-RSH-1.4S.PS2 | KA7 | 02 | FGS_DO03 | - |
| 312 | SCS0120 | 06 | 03 | 08 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 08A | 08B | TB-950-JE-04207 | 9 | 10 | - | KFD0-RSH-1.4S.PS2 | KA8 | 02 | FGS_DO03 | - |
| 313 | SCS0120 | 06 | 03 | 09 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-NC-200F2.01 | 1 | 2 | - | - | - | 02 | FGS_DO01 | - |
| 314 | SCS0120 | 06 | 03 | 10 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-07101 | 09 | 10 | - | - | - | 02 | FGS_DO01 | - |
| 315 | SCS0120 | 06 | 03 | 11 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-950-JE-07101 | 11 | 12 | - | - | - | 02 | FGS_DO01 | - |
| 316 | SCS0120 | 06 | 03 | 12 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 317 | SCS0120 | 06 | 03 | 13 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-003 | 13A | 13B | - | - | - | - | - | - | 02 | | - |
| 318 | SCS0120 | 06 | 03 | 14 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |
| 319 | SCS0120 | 06 | 03 | 15 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 320 | SCS0120 | 06 | 03 | 16 | B400-FGS-001 | TB-06-03 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 321 | SCS0120 | 06 | 05 | 01 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 01A | 01B | TB-950-JE-04207 | 11 | 12 | - | KFD0-RSH-1.4S.PS2 | KA9 | 02 | FGS_DO03 | - |
| 322 | SCS0120 | 06 | 05 | 02 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 02A | 02B | TB-950-JE-04207 | 13 | 14 | - | KFD0-RSH-1.4S.PS2 | KA10 | 02 | FGS_DO03 | - |
| 323 | SCS0120 | 06 | 05 | 03 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 03A | 03B | TB-950-JE-04207 | 15 | 16 | - | KFD0-RSH-1.4S.PS2 | KA11 | 02 | FGS_DO03 | - |
| 324 | SCS0120 | 06 | 05 | 04 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 04A | 04B | TB-B400-FGS-002-5 | 1 | 2 | - | KFD0-RSH-1.4S.PS2 | KA12 | 02 | FGS_DO03 | - |
| 325 | SCS0120 | 06 | 05 | 05 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 05A | 05B | TB-B400-FGS-002-5 | 3 | 4 | - | KFD0-RSH-1.4S.PS2 | KA13 | 02 | FGS_DO03 | - |
| 326 | SCS0120 | 06 | 05 | 06 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 06A | 06B | TB-B400-FGS-002-5 | 5 | 6 | - | KFD0-RSH-1.4S.PS2 | KA14 | 02 | FGS_DO03 | - |
| 327 | SCS0120 | 06 | 05 | 07 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 07A | 07B | TB-B400-FGS-002-4 | 1 | 2 | - | KFD0-RSH-1.4S.PS2 | KA15 | 02 | FGS_DO03 | - |
| 328 | SCS0120 | 06 | 05 | 08 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 08A | 08B | TB-B400-FGS-002-4 | 3 | 4 | - | KFD0-RSH-1.4S.PS2 | KA16 | 02 | FGS_DO03 | - |
| 329 | SCS0120 | 06 | 05 | 09 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 09A | 09B | TB-950-JE-04207 | 17 | 19 | - | KFD0-RSH-1.4S.PS2 | KA17 | 02 | FGS_DO03 | - |
| 330 | SCS0120 | 06 | 05 | 10 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 10A | 10B | TB-950-JE-04207 | 19 | 20 | - | KFD0-RSH-1.4S.PS2 | KA18 | 02 | FGS_DO03 | - |
| 331 | SCS0120 | 06 | 05 | 11 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-002 | 11A | 11B | TB-NC-200F2.01 | 3 | 4 | - | - | - | 02 | FGS_DO01 | - |
| 332 | SCS0120 | 06 | 05 | 12 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 12A | 12B | - | - | - | - | - | - | 02 | | - |
| 333 | SCS0120 | 06 | 05 | 13 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 13A | 13B | TB-RELAY | 1 | 2 | - | KFD0-RSH-1.4S.PS2 | R1, R2, R3, R4 | 02 | INTERNAL WIR | WIR to RALAY COIL |
| 334 | SCS0120 | 06 | 05 | 14 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 14A | 14B | TB-RELAY | 3 | 4 | - | KFD0-RSH-1.4S.PS2 | R5, R6 | 02 | INTERNAL WIR | WIR to RALAY COIL |
| 335 | SCS0120 | 06 | 05 | 15 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 15A | 15B | TB-RELAY | 5 | 6 | - | KFD0-RSH-1.4S.PS2 | R7, R8, R9, R10 | 02 | INTERNAL WIR | WIR to RALAY COIL |
| 336 | SCS0120 | 06 | 05 | 16 | B400-FGS-001 | TB-06-05 | SBD4D-06 | SDV541 | B400-FGS-003 | 16A | 16B | TB-RELAY | 7 | 8 | - | KFD0-RSH-1.4S.PS2 | R11, R12 | 02 | INTERNAL WIR | WIR to RALAY COIL |
| 337 | SCS0120 | 06 | 07 | 01 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 01A | 01B | TB-B300-HSB-001 | 5 | 6 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 338 | SCS0120 | 06 | 07 | 02 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 02A | 02B | TB-B300-HSB-001 | 7 | 8 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 339 | SCS0120 | 06 | 07 | 03 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 03A | 03B | TB-B300-HSB-001 | 9 | 10 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 340 | SCS0120 | 06 | 07 | 04 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 04A | 04B | TB-B400-HSB-001 | 1 | 2 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 341 | SCS0120 | 06 | 07 | 05 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 05A | 05B | TB-B400-HSB-001 | 3 | 4 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 342 | SCS0120 | 06 | 07 | 06 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 06A | 06B | TB-B400-HSB-001 | 5 | 6 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 343 | SCS0120 | 06 | 07 | 07 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 07A | 07B | TB-B400-HSB-001 | 7 | 8 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 344 | SCS0120 | 06 | 07 | 08 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 08A | 08B | TB-B400-HSB-001 | 9 | 10 | - | - | - | 02 | FGS_DI01 | Hold-5 |
| 345 | SCS0120 | 06 | 07 | 09 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 09A | 09B | INTERNAL WIRING | - | - | - | - | - | 02 | FGS_DI01 | - |
| 346 | SCS0120 | 06 | 07 | 10 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 10A | 10B | INTERNAL WIRING | - | - | - | - | - | 02 | FGS_DI01 | - |
| 347 | SCS0120 | 06 | 07 | 11 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 11A | 11B | INTERNAL WIRING | - | - | - | - | - | 02 | FGS_DI01 | - |
| 348 | SCS0120 | 06 | 07 | 12 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 12A | 12B | INTERNAL WIRING | - | - | - | - | - | 02 | FGS_DI01 | - |
| 349 | SCS0120 | 06 | 07 | 13 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 13A | 13B | INTERNAL WIRING | - | - | - | - | - | 02 | FGS_DI01 | - |
| 350 | SCS0120 | 06 | 07 | 14 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 14A | 14B | - | - | - | - | - | - | 02 | | - |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

CROSSWIND

HOLLANDSE KUST NOORD WIND PARK Project
Contract No. CW-I-WP4-2023-05

ROSETTI MARINO

Document Title: PCS and Safety System IO List (HW and SW)

Issued for Construction

Date: 10/10/2025
REV: 05

**FGS**

| S.No | TAG_NAME | LOOP_NAME | FGS_TAG_NAME | IO TAG NAME | INSTRUMENT_TYPE_DESCRIPTION | LOOP_DESCRIPTION | LOOP_DESCRIPTION_1 | LOOP_DESCRIPTION_2 | P_ID | PACKAGE | LOCATION | SIGANL_SOURCE | SYSTEM | IO_TYPE | SIGNAL_TYPE | 2/4 WIRE | Ex-i | LINE MONITORING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - | - | NIS | - |
| 352 | SPARE | - | SPARE | - | - | SPARE | SPARE | | - | - | - | - | FGS | DI | - | - | NIS | - |
| 353 | 79-XA-001 | 79-XS-001 | 79-XA-001 | - | Status signal | ASD Activation from SIS to FGS | ASD ACT FR | SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 354 | 79-XA-002 | 79-XS-002 | 79-XA-002 | - | Status signal | ESD-1D Activation from SIS to FGS | ESD-1D ACT | FR SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 355 | 79-XA-003 | 79-XS-003 | 79-XA-003 | - | Status signal | ESD-1 Activation from SIS to FGS | ESD-1 ACT FR | SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 356 | 79-XA-004 | 79-XS-004 | 79-XA-004 | - | Status signal | MOB Activation from SIS to FGS | MOB P.B ALM | ACT FR SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 357 | 70-XS-001 | 70-XS-001 | 70XS-001 | - | Command signal | ASD Activation from FGS to SIS | ASD ACT TO | SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 358 | 70-XS-002 | 70-XS-002 | 70XS-002 | - | Command signal | ESD-1D Activation from FGS to SIS | ESD-1D ACT | TO SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 359 | 70-XS-003 | 70-XS-003 | 70XS-003 | - | Command signal | SHUT-DOWN A-20000 Electrolyser PKG | S/D ELEC PKG | TO SIS SYS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 360 | 70-XS-004 | 70-XS-004 | 70XS-004 | - | Command signal | Inhibit B-300 battery charging and start S/B fan | IN.BAT CHG | B-300 TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 361 | 70-XS-005 | 70-XS-005 | 70XS-005 | - | Command signal | H2 confirmed in open area | H2 CF IN OPN | AREA TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 362 | 70-XS-006 | 70-XS-006 | 70XS-006 | - | Command signal | H2/Smoke confirmed inside B-100 HV/MV SWGR room | H2/SMOKE IN | B-100 TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 363 | 70-XS-007 | 70-XS-007 | 70XS-007 | - | Command signal | H2/Smoke confirmed inside B-200 LV SWGR room | H2/SMOKE IN | B-200 TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 364 | 70-XS-008 | 70-XS-008 | 70XS-008 | - | Command signal | Inhibit B-100 battery charging and start S/B fan | IN.BAT CHG | B-100 TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 365 | 70-XS-010 | 70-XS-010 | 70XS-010 | - | Command signal | H2/Smoke confirmed in A-50003 Sea water treatment PKG | H2/SMOKE IN | WTP TO SIS | - | - | BLD | Building | FGS | SW | - | - | - | - |
| 366 | 950-GDZ-01101-PS | - | 950GDZ-01101-PS | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 367 | 950-GDZ-01102-PS | - | 950GDZ-01102-PS | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 368 | 950-GDZ-01103-PS | - | 950GDZ-01103-PS | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 369 | 950-GDZ-02117-PS | - | - | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 370 | 950-GDZ-02118-PS | - | - | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 371 | 950-GDZ-02119-PS | - | - | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 372 | 950-GDZ-02120-PS | - | - | - | - | - | | | - | - | L | Field | FGS | - | - | - | NIS | - |
| 373 | 950-GDZ-03101-PS | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - |
| 374 | 950-GDZ-03102-PS | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - |
| 375 | 950-GDZ-03103-PS | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - |
| 376 | 950-GDZ-03104-PS | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - |
| 377 | 950-GDZ-03105-PS | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - |

| S.No | UOM (EU) | MINIMUM | MAXIMUM | LL | L | H | HH | ALARM PRIORITY LL | ALARM PRIORITY L | ALARM PRIORITY H | ALARM PRIORITY HH | VOTING GROUP | PARALLEL EQUIPMENT | JUNCTION_BOX_NO | MULTI PAIR CABLE DETAILS | PAIR QTY | PAIR/CORE NO. | FIRE_ZONE | HW TYPICAL LOOP NO. | OFF_STATE_DESCRIPTION | ON_STATE_DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 352 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 353 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 354 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 355 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 356 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 357 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 358 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 359 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 360 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 361 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 362 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 363 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 364 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 365 | - | - | - | - | - | - | - | - | - | - | - | - | - | Hold-2 | Hold-2 | Hold-2 | Hold-2 | - | - | - | - |
| 366 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 367 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 368 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 369 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 370 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 371 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 372 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 373 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 374 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 375 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 376 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 377 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| S.No | FCS No | NODE | SLOT | CHANNEL | SYS_CAB_NAME | TBA_NAME | TBA_MODEL | IO_CARD_MODEL | MARSH_CAB_NAME | TBA_NO_A/FLD PWR 24 (+) | TBA_NO_B/FLD PWR 24 (-) | MARSH_TB_GRP | MARSH_TB_A | MARSH_TB_B | MARSH_TB_C | BARR/RELAY_MODEL | BARR/RELAY_NO. | NEST LOADING REV NO. | HW_TYPICAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | SCS0120 | 06 | 07 | 15 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 15A | 15B | - | - | - | - | - | - | 02 | | - |
| 352 | SCS0120 | 06 | 07 | 16 | B400-FGS-001 | TB-06-07 | SBD4D-06 | SDV144 | B400-FGS-003 | 16A | 16B | - | - | - | - | - | - | 02 | | - |
| 353 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 354 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 355 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 356 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 357 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 358 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 359 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 360 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 361 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 362 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 363 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 364 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 365 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 366 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 367 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 368 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 369 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 370 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 371 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 372 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 373 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 374 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 375 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 376 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| 377 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## INSTRUMENT AIR

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1000.00 | B | 41000 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 2 | 4 | 1000.01 | B | 41000 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 3 | 4 | 1000.02 | B | 41000 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 4 | 4 | 1000.03 | B | 41000 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 5 | 4 | 1000.04 | B | 41000 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 6 | 4 | 1000.05 | B | 41000 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 7 | 4 | 1000.06 | B | 41000 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 8 | 4 | 1000.07 | B | 41000 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 9 | 4 | 1001.00 | B | 41001 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 10 | 4 | 1001.01 | B | 41001 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 11 | 4 | 1001.02 | B | 41001 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 12 | 4 | 1001.03 | B | 41001 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 13 | 4 | 1001.04 | B | 41001 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 14 | 4 | 1001.05 | B | 41001 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 15 | 4 | 1001.06 | B | 41001 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 16 | 4 | 1001.07 | B | 41001 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 17 | 4 | 1002.00 | B | 41002 | 01 | 63-PS-054-H | 63PS054-H | ALARM (DRYER 1) TOWER A PRESSURE SWITCH | DRYER 1 TOWER A PR HI | YES | 1 Bit | BOOL | BOOL | |
| 18 | 4 | 1002.01 | B | 41002 | 02 | 63-PS-056-H | 63PS056-H | ALARM (DRYER 1) TOWER B PRESSURE SWITCH | DRYER 1 TOWER B PR HI | YES | 1 Bit | BOOL | BOOL | |
| 19 | 4 | 1002.02 | B | 41002 | 03 | 63-PS-058-H | 63PS058-H | ALARM (DRYER 2) TOWER A PRESSURE SWITCH | DRYER 2 TOWER A PR HI | YES | 1 Bit | BOOL | BOOL | |
| 20 | 4 | 1002.03 | B | 41002 | 04 | 63-PS-060-H | 63PS060-H | ALARM (DRYER 2) TOWER B PRESSURE SWITCH | DRYER 2 TOWER B PR HI | YES | 1 Bit | BOOL | BOOL | |
| 21 | 4 | 1002.04 | B | 41002 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 22 | 4 | 1002.05 | B | 41002 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 23 | 4 | 1002.06 | B | 41002 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 24 | 4 | 1002.07 | B | 41002 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 25 | 4 | 1003.00 | B | 41003 | 01 | 63-CMPR-ALARM-FDBCK-001-H | 63COMP001-H | COMPRESSOR 1 - GENERAL ALARM | COMP-1 GENERAL ALM | YES | 1 Bit | BOOL | BOOL | |
| 26 | 4 | 1003.01 | B | 41003 | 02 | 63-CMPR-ALARM-FDBCK-002-H | 63COMP002-H | COMPRESSOR 2 - GENERAL ALARM | COMP-12 GENERAL ALM | YES | 1 Bit | BOOL | BOOL | |
| 27 | 4 | 1003.02 | B | 41003 | 03 | 63-20FS-12-H | 6320FS12-H | SOURGE ARRESTER 230VAC_SERVICES - ALARM | SURG ARR 230VAC_SERV ALM | YES | 1 Bit | BOOL | BOOL | |
| 28 | 4 | 1003.03 | B | 41003 | 04 | 63-21FS-12-H | 6321FS12-H | SOURGE ARRESTER 230VAC_UPS - ALARM | SURG ARR 230VAC_UPS ALM | YES | 1 Bit | BOOL | BOOL | |
| 29 | 4 | 1003.04 | B | 41003 | 05 | 63-TH-001-H | 63TH001-H | INTERNAL CABINET THERMOSTAT - ALARM | INT CAB HRMOSTAT ALM | YES | 1 Bit | BOOL | BOOL | |
| 30 | 4 | 1003.05 | B | 41003 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 31 | 4 | 1003.06 | B | 41003 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 32 | 4 | 1003.07 | B | 41003 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 33 | 4 | 1004.00 | B | 41004 | 01 | 63-XY-051-H | 63XY051-H | ALARM 5-WAY VALVE SOV (DRYER 1) | ALM 5WAY SOV DRYER 1 | YES | 1 Bit | BOOL | BOOL | |
| 34 | 4 | 1004.01 | B | 41004 | 02 | 63-XY-052-H | 63XY052-H | ALARM DEPRESSURIZATION VALVE SOV (DRYER 1) | ALM DEPR SOV DRYER 1 | YES | 1 Bit | BOOL | BOOL | |
| 35 | 4 | 1004.02 | B | 41004 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 36 | 4 | 1004.03 | B | 41004 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 37 | 4 | 1004.04 | B | 41004 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 38 | 4 | 1004.05 | B | 41004 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 39 | 4 | 1004.06 | B | 41004 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 40 | 4 | 1004.07 | B | 41004 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 41 | 4 | 1005.00 | B | 41005 | 01 | 63-XY-053-H | 63XY053-H | ALARM 5-WAY VALVE SOV (DRYER 2) | ALM 5WAY SOV DRYER 2 | YES | 1 Bit | BOOL | BOOL | |
| 42 | 4 | 1005.01 | B | 41005 | 02 | 63-XY-054-H | 63XY054-H | ALARM DEPRESSURIZATION VALVE SOV (DRYER 2) | ALM DEPR SOV DRYER 2 | YES | 1 Bit | BOOL | BOOL | |
| 43 | 4 | 1005.02 | B | 41005 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 44 | 4 | 1005.03 | B | 41005 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 45 | 4 | 1005.04 | B | 41005 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 46 | 4 | 1005.05 | B | 41005 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 47 | 4 | 1005.06 | B | 41005 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 48 | 4 | 1005.07 | B | 41005 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 49 | 4 | 1006.00 | B | 41006 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 50 | 4 | 1006.01 | B | 41006 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 51 | 4 | 1006.02 | B | 41006 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 52 | 4 | 1006.03 | B | 41006 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 53 | 4 | 1006.04 | B | 41006 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 54 | 4 | 1006.05 | B | 41006 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 55 | 4 | 1006.06 | B | 41006 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 56 | 4 | 1006.07 | B | 41006 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 57 | 4 | 1007.00 | B | 41007 | 01 | 63-AIT-051-LL | 63AIT051-LL | DEW POINT TRANSMITTER - LOW LOW ALARM (LL) | DEW POINT Tx LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 58 | 4 | 1007.01 | B | 41007 | 02 | 63-AIT-051-L | 63AIT051-L | DEW POINT TRANSMITTER - LOW ALARM (L) | DEW POINT Tx LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 59 | 4 | 1007.02 | B | 41007 | 03 | 63-AIT-051-H | 63AIT051-H | DEW POINT TRANSMITTER - HIGH ALARM (H) | DEW POINT Tx HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 60 | 4 | 1007.03 | B | 41007 | 04 | 63-AIT-051-HH | 63AIT051-HH | DEW POINT TRANSMITTER - HIGH HIGH ALARM (HH) | DEW POINT Tx HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 61 | 4 | 1007.04 | B | 41007 | 05 | 63-PT-064-LL | 63PT064-LL | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW LOW ALARM (LL) | PT IA REC LO LO ALM | YES | 1 Bit | BOOL | BOOL | |

## INSTRUMENT AIR

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 4 | 1007.05 | B | 41007 | 06 | 63-PT-064-L | 63PT064-L | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW ALARM (L) | PT IA REC LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 63 | 4 | 1007.06 | B | 41007 | 07 | 63-PT-064-H | 63PT064-H | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH ALARM (H) | PT IA REC HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 64 | 4 | 1007.07 | B | 41007 | 08 | 63-PT-064-HH | 63PT064-HH | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH HIGH ALARM (HH) | PT IA REC HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 65 | 4 | 1008.00 | B | 41008 | 01 | 63-TIT-051-LL | 63TIT051-LL | TEMPERATURE TRANSMITTER INLET AIR - LOW LOW ALARM (LL) | TT IN AIR LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 66 | 4 | 1008.01 | B | 41008 | 02 | 63-TIT-051-L | 63TIT051-L | TEMPERATURE TRANSMITTER INLET AIR - LOW ALARM (L) | TT IN AIR LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 67 | 4 | 1008.02 | B | 41008 | 03 | 63-TIT-051-H | 63TIT051-H | TEMPERATURE TRANSMITTER INLET AIR - HIGH ALARM (H) | TT IN AIR HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 68 | 4 | 1008.03 | B | 41008 | 04 | 63-TIT-051-HH | 63TIT051-HH | TEMPERATURE TRANSMITTER INLET AIR - HIGH HIGH ALARM (HH) | TT IN AIR HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 69 | 4 | 1008.04 | B | 41008 | 05 | 63-TIT-052-LL | 63TIT052-LL | TEMPERATURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW LOW ALARM (LL) | TT IA REC LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 70 | 4 | 1008.05 | B | 41008 | 06 | 63-TIT-052-L | 63TIT052-L | TEMPERATURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW ALARM (L) | TT IA REC LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 71 | 4 | 1008.06 | B | 41008 | 07 | 63-TIT-052-H | 63TIT052-H | TEMPERATURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH ALARM (H) | TT IA REC HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 72 | 4 | 1008.07 | B | 41009 | 08 | 63-TIT-052-HH | 63TIT052-HH | TEMPERATURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH HIGH ALARM (HH) | TT IA REC HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 73 | 4 | 1009.00 | B | 41009 | 01 | 63-FIT-051-LL | 63FIT051-LL | FLOW TRANSMITTER OUTLET AIR - LOW LOW ALARM (LL) | FT OL AIR LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 74 | 4 | 1009.01 | B | 41009 | 02 | 63-FIT-051-L | 63FIT051-L | FLOW TRANSMITTER OUTLET AIR - LOW ALARM (L) | FT OL AIR LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 75 | 4 | 1009.02 | B | 41009 | 03 | 63-FIT-051-H | 63FIT051-H | FLOW TRANSMITTER OUTLET AIR - HIGH ALARM (H) | FT OL AIR HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 76 | 4 | 1009.03 | B | 41009 | 04 | 63-FIT-051-HH | 63FIT051-HH | FLOW TRANSMITTER OUTLET AIR - HIGH HIGH ALARM (HH) | FT OL AIR HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 77 | 4 | 1009.04 | B | 41009 | 05 | 63-PDIT-051-LL | 63PDIT051-LL | DIFFERENTIAL PRESSURE TRANSMITTER INLET FILTERS - LOW LOW ALARM (LL) | DPT IN FLTRS LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 78 | 4 | 1009.05 | B | 41009 | 06 | 63-PDIT-051-L | 63PDIT051-L | DIFFERENTIAL PRESSURE TRANSMITTER INLET FILTERS - LOW ALARM (L) | DPT IN FLTRS LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 79 | 4 | 1009.06 | B | 41009 | 07 | 63-PDIT-051-H | 63PDIT051-H | DIFFERENTIAL PRESSURE TRANSMITTER INLET FILTERS - HIGH ALARM (H) | DPT IN FLTRS HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 80 | 4 | 1009.07 | B | 41009 | 08 | 63-PDIT-051-HH | 63PDIT051-HH | DIFFERENTIAL PRESSURE TRANSMITTER INLET FILTERS - HIGH HIGH ALARM (HH) | DPT IN FLTRS HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 81 | 4 | 1010.00 | B | 41010 | 01 | 63-PDIT-052-LL | 63PDIT052-LL | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - LOW LOW ALARM (LL) | DPT OL FLTRS LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 82 | 4 | 1010.01 | B | 41010 | 02 | 63-PDIT-052-L | 63PDIT052-L | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - LOW ALARM (L) | DPT OL FLTRS LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 83 | 4 | 1010.02 | B | 41010 | 03 | 63-PDIT-052-H | 63PDIT052-H | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - HIGH ALARM (H) | DPT OL FLTRS HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 84 | 4 | 1010.03 | B | 41010 | 04 | 63-PDIT-052-HH | 63PDIT052-HH | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - HIGH HIGH ALARM (HH) | DPT OL FLTRS HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 85 | 4 | 1010.04 | B | 41010 | 05 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 86 | 4 | 1010.05 | B | 41010 | 06 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 87 | 4 | 1010.06 | B | 41010 | 07 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 88 | 4 | 1010.07 | B | 41010 | 08 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 89 | 4 | 1011.00 | B | 41011 | 01 | 63-AIT-051-BADPV | 63AIT051-BADPV | DEW POINT TRANSMITTER - BAD PROCESS VALUE | DEW POINT Tx BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 90 | 4 | 1011.01 | B | 41011 | 02 | 63-PT-064-BADPV | 63PT064-BADPV | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - BAD PROCESS VALUE | PT IA REC BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 91 | 4 | 1011.02 | B | 41011 | 03 | 63-TIT-051-BADPV | 63TIT051-BADPV | TEMPERATURE TRANSMITTER INLET AIR - BAD PROCESS VALUE | TT IN AIR BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 92 | 4 | 1011.03 | B | 41011 | 04 | 63-TIT-052-BADPV | 63TIT052-BADPV | TEMPERATURE TRANSMITTER INSTRUMENT AIR RECIEVER - BAD PROCESS VALUE | TT IA REC BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 93 | 4 | 1011.04 | B | 41011 | 05 | 63-FIT-051-BADPV | 63FIT051-BADPV | FLOW TRANSMITTER OUTLET AIR - BAD PROCESS VALUE | FT OL AIR BAD PV | YES | 1 Bit | BOOL | BOOL | |

## INSTRUMENT AIR

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | 4 | 1011.05 | B | 41011 | 06 | 63-PDIT-051-BAD PV | 63PDI051-BPV | DIFFERENTIAL PRESSURE TRANSMITTER INLET FILTERS - BAD PROCESS VALUE | DPT IN FLTRS BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 95 | 4 | 1011.06 | B | 41011 | 07 | 63-PDIT-052-BAD PV | 63PDI052-BPV | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - BAD PROCESS VALUE | DPT OL FLTRS BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 96 | 4 | 1011.07 | B | 41011 | 08 | Spare | | SPARE | SPARE | | 1 Bit | BOOL | BOOL | |
| 97 | 4 | 1012.00 | B | 41012 | 01 | 63-ESD-SIS-001-H | 63ESDSIS001-H | 0=SHUTDOWN ALARM, 1=OK | PLANT SD ALM SIS | YES | 1 Bit | BOOL | BOOL | |
| 98 | 4 | 1012.01 | B | 41012 | 02 | 63-ALARM-PLANT | 63ALARM-PLANT | 0=CUMULATIVE STANDARD ALARM, 1=OK | PLANT GENERAL ALM | YES | 1 Bit | BOOL | BOOL | |
| 99 | 4 | 1012.02 | B | 41012 | 03 | 63-PLANT-READY | 63PLANT-READY | 0=NOT READY, 1=READY TO START | PLANT READY | | 1 Bit | BOOL | BOOL | |
| 100 | 4 | 1012.03 | B | 41012 | 04 | 63-PLANT-RUNNING | 63PLANT-RUNNING | 0=STOPPED, 1=RUNNING | PLANT RUNN | | 1 Bit | BOOL | BOOL | |
| 101 | 4 | 1012.04 | B | 41012 | 05 | 63-PLANT-LOCA-REM | 63PL-LR | 0=LOCAL (PLC), 1=REMOTE (PCS) | PLANT IN REMOTE MODE | | 1 Bit | BOOL | BOOL | |
| 102 | 4 | 1012.05 | B | 41012 | 06 | 63-ALARM-DRY-001 | 63ALARMDRY-001 | 0=ALARM, 1=OK | DRYER 1 ALM | YES | 1 Bit | BOOL | BOOL | |
| 103 | 4 | 1012.06 | B | 41012 | 07 | 63-ALARM-DRY-002 | 63ALARMDRY-002 | 0=ALARM, 1=OK | DRYER 2 ALM | YES | 1 Bit | BOOL | BOOL | |
| 104 | 4 | 1012.07 | B | 41012 | 08 | Spare | | Spare | SPARE | | 1 Bit | BOOL | BOOL | |
| 105 | 4 | 1013.00 | B | 41013 | 01 | 63-CMPR-START-001 | 63CMP01-ST | COMPRESSOR 1 RUNNING | COMPRESSOR 1 CMD | | 1 Bit | BOOL | BOOL | |
| 106 | 4 | 1013.01 | B | 41013 | 02 | 63-CMPR-START-002 | 63CMP02-ST | COMPRESSOR 2 RUNNING | COMPRESSOR 2 CMD | | 1 Bit | BOOL | BOOL | |
| 107 | 4 | 1013.02 | B | 41013 | 03 | Spare | | Spare | SPARE | | 1 Bit | BOOL | BOOL | |
| 108 | 4 | 1013.03 | B | 41013 | 04 | Spare | | Spare | SPARE | | 1 Bit | BOOL | BOOL | |
| 109 | 4 | 1013.04 | B | 41013 | 05 | 63-CMPR-RUN-FDBCK-001 | 63CMP01-RUN | COMPRESSOR 1 RUNNING | COMPRESSOR 1 RUNN | | 1 Bit | BOOL | BOOL | |
| 110 | 4 | 1013.05 | B | 41013 | 06 | 63-CMPR-RUN-FDBCK-002 | 63CMP02-RUN | COMPRESSOR 2 RUNNING | COMPRESSOR 2 RUNN | | 1 Bit | BOOL | BOOL | |
| 111 | 4 | 1013.06 | B | 41013 | 07 | Spare | | Spare | SPARE | | 1 Bit | BOOL | BOOL | |
| 112 | 4 | 1013.07 | B | 41013 | 08 | Spare | | Spare | SPARE | | 1 Bit | BOOL | BOOL | |
| 113 | 4 | 1014.00 | B | 41014 | 01 | 63-XY-051 | 63XY051 | (DRYER 1) 5-WAY VALVE SOV OPEN COMMAND | DRYER-1 5WAY SOV OPN | | 1 Bit | BOOL | BOOL | |
| 114 | 4 | 1014.01 | B | 41014 | 02 | 63-XY-052 | 63XY052 | (DRYER 1) DEPRESSURIZATION VALVE SOV OPEN COMMAND | DRYER-1 DEPR SOV OPN | | 1 Bit | BOOL | BOOL | |
| 115 | 4 | 1014.02 | B | 41014 | 03 | 63-XY-053 | 63XY053 | (DRYER 2) 5-WAY VALVE SOV OPEN COMMAND | DRYER-2 5WAY SOV OPN | | 1 Bit | BOOL | BOOL | |
| 116 | 4 | 1014.03 | B | 41014 | 04 | 63-XY-054 | 63XY054 | (DRYER 2) DEPRESSURIZATION VALVE SOV OPEN COMMAND | DRYER-2 DEPR SOV OPN | | 1 Bit | BOOL | BOOL | |
| 117 | 4 | 1014.04 | B | 41014 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 118 | 4 | 1014.05 | B | 41014 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 119 | 4 | 1014.06 | B | 41014 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 120 | 4 | 1014.07 | B | 41014 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 121 | 4 | 1015.00 | B | 41015 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 122 | 4 | 1015.01 | B | 41015 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 123 | 4 | 1015.02 | B | 41015 | 03 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 124 | 4 | 1015.03 | B | 41015 | 04 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 125 | 4 | 1015.04 | B | 41015 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 126 | 4 | 1015.05 | B | 41015 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 127 | 4 | 1015.06 | B | 41015 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 128 | 4 | 1015.07 | B | 41015 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 129 | 4 | 1016.00 | B | 41016 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 130 | 4 | 1016.01 | B | 41016 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 131 | 4 | 1016.02 | B | 41016 | 03 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 132 | 4 | 1016.03 | B | 41016 | 04 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 133 | 4 | 1016.04 | B | 41016 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 134 | 4 | 1016.05 | B | 41016 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 135 | 4 | 1016.06 | B | 41016 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 136 | 4 | 1016.07 | B | 41016 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 137 | 4 | 1017.00 | B | 41017 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 138 | 4 | 1017.01 | B | 41017 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 139 | 4 | 1017.02 | B | 41017 | 03 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 140 | 4 | 1017.03 | B | 41017 | 04 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 141 | 4 | 1017.04 | B | 41017 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 142 | 4 | 1017.05 | B | 41017 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 143 | 4 | 1017.06 | B | 41017 | 07 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 144 | 4 | 1017.07 | B | 41017 | 08 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 145 | 4 | 1017.07 | B | 41017 | 08 | spare | | spare | | | 1 Bit | BOOL | BOOL | |

## INSTRUMENT AIR

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1152 | B | 41152 | Spare | | SPARE - REAL PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 2 | 4 | 1156 | B | 41154 | Spare | | SPARE - REAL PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 3 | 4 | 1160 | B | 41156 | Spare | | SPARE - REAL PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 4 | 4 | 1164 | B | 41158 | Spare | | SPARE - REAL PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 5 | 4 | 1168 | B | 41160 | Spare | | SPARE - REAL PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 6 | 4 | 1172 | B | 41162 | Spare | | SPARE - REAL PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 7 | 4 | 1176 | B | 41164 | Spare | | SPARE - REAL PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 8 | 4 | 1180 | B | 41166 | Spare | | SPARE - REAL PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 9 | 4 | 1184 | B | 41168 | Spare | | SPARE - REAL PARAMETER 009 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 10 | 4 | 1188 | B | 41170 | Spare | | SPARE - REAL PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 11 | 4 | 1192 | B | 41172 | Spare | | SPARE - INTEGER PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 12 | 4 | 1194 | B | 41174 | Spare | | SPARE - INTEGER PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 13 | 4 | 1196 | B | 41175 | Spare | | SPARE - INTEGER PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 14 | 4 | 1198 | B | 41176 | Spare | | SPARE - INTEGER PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 15 | 4 | 1200 | B | 41177 | Spare | | SPARE - INTEGER PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 16 | 4 | 1202 | B | 41178 | Spare | | SPARE - INTEGER PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 17 | 4 | 1204 | B | 41179 | Spare | | SPARE - INTEGER PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 18 | 4 | 1206 | B | 41180 | Spare | | SPARE - INTEGER PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 19 | 4 | 1208 | B | 41181 | Spare | | SPARE - INTEGER PARAMETER 009 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 20 | 4 | 1210 | B | 41182 | Spare | | SPARE - INTEGER PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 21 | 4 | 1212 | B | 41183 | Spare | | SPARE - TIME PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 22 | 4 | 1216 | B | 41185 | Spare | | SPARE - TIME PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 23 | 4 | 1220 | B | 41187 | Spare | | SPARE - TIME PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 24 | 4 | 1224 | B | 41189 | Spare | | SPARE - TIME PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 25 | 4 | 1228 | B | 41191 | Spare | | SPARE - TIME PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 26 | 4 | 1232 | B | 41193 | Spare | | SPARE - TIME PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 27 | 4 | 1236 | B | 41195 | Spare | | SPARE - TIME PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 28 | 4 | 1240 | B | 41197 | Spare | | SPARE - TIME PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 29 | 4 | 1244 | B | 41199 | Spare | | SPARE - TIME PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |

## INSTRUMENT AIR

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1150.00 | B | 41150 | 01 | 64-START-PLANT-CMD | 64STARTPLANT-CMD | REMOTE START COMMAND | REMOTE START COMMAND | 1 Bit | BOOL | BOOL | |
| 2 | 4 | 1150.01 | B | 41150 | 02 | 64-STOP-PLANT-CMD | 64STOPPLANT-CMD | REMOTE STOP COMMAND | REMOTE STOP COMMAND | 1 Bit | BOOL | BOOL | |
| 3 | 4 | 1150.02 | B | 41150 | 03 | Spare | | SPARE | Spare | 1 Bit | BOOL | BOOL | |
| 4 | 4 | 1150.03 | B | 41150 | 04 | 64-ACK-ALARM | 64ACK-ALARM | REMOTE ALARMS ACKNOWLEDGE | REMOTE ALARMS ACKNOWLEDG | 1 Bit | BOOL | BOOL | |
| 5 | 4 | 1150.04 | B | 41150 | 05 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 6 | 4 | 1150.05 | B | 41150 | 06 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 7 | 4 | 1150.06 | B | 41150 | 07 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 8 | 4 | 1150.07 | B | 41150 | 08 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 9 | 4 | 1151.00 | B | 41151 | 01 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 10 | 4 | 1151.01 | B | 41151 | 02 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 11 | 4 | 1151.02 | B | 41151 | 03 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 12 | 4 | 1151.03 | B | 41151 | 04 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 13 | 4 | 1151.04 | B | 41151 | 05 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 14 | 4 | 1151.05 | B | 41151 | 06 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 15 | 4 | 1151.06 | B | 41151 | 07 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 16 | 4 | 1151.07 | B | 41151 | 08 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1018 | B | 41018 | 64-PT-051-PV | 64PT-051 | INLET PRESSURE TRANSMITTER - PROCESS VALUE | INLET PT | 0 | 16 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 2 | 4 | 1022 | B | 41020 | 64-PT-052-PV | 64PT-052 | TOWER 1 PRESSURE TRANSMITTER - PROCESS VALUE | TOWER1 PRESS | 0 | 16 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 3 | 4 | 1026 | B | 41022 | 64-PT-053-PV | 64PT-053 | TOWER 2 PRESSURE TRANSMITTER - PROCESS VALUE | TOWER2 PRESS | 0 | 16 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 4 | 4 | 1030 | B | 41024 | 64-PT-057-PV | 64PT-057 | OUTLET B PRESSURE TRANSMITTER - PROCESS VALUE | OUTLET B PRESS | 0 | 16 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 5 | 4 | 1034 | B | 41026 | 64-PT-059-PV | 64PT-059 | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - PROCESS VALUE | AIR RECEIVER | 0 | 16 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 6 | 4 | 1038 | B | 41028 | 64-PDIT-056-PV | 64PDIT-056 | OXYGEN TRANSMITTER - PROCESS VALUE | OXYGEN % | 0 | 100 | % | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 7 | 4 | 1042 | B | 41030 | 64-AT-051-PV | 64AT-051 | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - PROCESS VALUE | OUTLET DPT | 0 | 1 | barg | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 8 | 4 | 1046 | B | 41032 | Spare | | SPARE | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 9 | 4 | 1050 | B | 41034 | Spare | | SPARE - REAL PARAMETER 001 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 10 | 4 | 1054 | B | 41036 | Spare | | SPARE - REAL PARAMETER 002 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 11 | 4 | 1058 | B | 41038 | Spare | | SPARE - REAL PARAMETER 003 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 12 | 4 | 1062 | B | 41040 | Spare | | SPARE - REAL PARAMETER 004 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 13 | 4 | 1066 | B | 41042 | Spare | | SPARE - REAL PARAMETER 005 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 14 | 4 | 1070 | B | 41044 | Spare | | SPARE - REAL PARAMETER 006 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 15 | 4 | 1074 | B | 41046 | Spare | | SPARE - REAL PARAMETER 007 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 16 | 4 | 1078 | B | 41048 | Spare | | SPARE - REAL PARAMETER 008 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 17 | 4 | 1082 | B | 41050 | Spare | | SPARE - REAL PARAMETER 009 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 18 | 4 | 1086 | B | 41052 | Spare | | SPARE - REAL PARAMETER 010 | | | | | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 19 | 4 | 1090 | B | 41054 | Spare | | SPARE - INTEGER PARAMETER 001 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 20 | 4 | 1092 | B | 41055 | Spare | | SPARE - INTEGER PARAMETER 002 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 21 | 4 | 1094 | B | 41056 | Spare | | SPARE - INTEGER PARAMETER 003 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 22 | 4 | 1096 | B | 41057 | Spare | | SPARE - INTEGER PARAMETER 004 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 23 | 4 | 1098 | B | 41058 | Spare | | SPARE - INTEGER PARAMETER 005 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 24 | 4 | 1100 | B | 41059 | Spare | | SPARE - INTEGER PARAMETER 006 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 25 | 4 | 1102 | B | 41060 | Spare | | SPARE - INTEGER PARAMETER 007 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 26 | 4 | 1104 | B | 41061 | Spare | | SPARE - INTEGER PARAMETER 008 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 27 | 4 | 1106 | B | 41062 | Spare | | SPARE - INTEGER PARAMETER 009 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 28 | 4 | 1108 | B | 41063 | Spare | | SPARE - INTEGER PARAMETER 010 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 29 | 4 | 1110 | B | 41064 | Spare | | SPARE - TIME PARAMETER 001 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 30 | 4 | 1114 | B | 41066 | Spare | | SPARE - TIME PARAMETER 002 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 31 | 4 | 1118 | B | 41068 | Spare | | SPARE - TIME PARAMETER 003 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 32 | 4 | 1122 | B | 41070 | Spare | | SPARE - TIME PARAMETER 004 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 33 | 4 | 1126 | B | 41072 | Spare | | SPARE - TIME PARAMETER 005 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 34 | 4 | 1130 | B | 41074 | Spare | | SPARE - TIME PARAMETER 006 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 35 | 4 | 1134 | B | 41076 | Spare | | SPARE - TIME PARAMETER 007 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 36 | 4 | 1138 | B | 41078 | Spare | | SPARE - TIME PARAMETER 008 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 37 | 4 | 1142 | B | 41080 | Spare | | SPARE - TIME PARAMETER 009 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 38 | 4 | 1146 | B | 41082 | Spare | | SPARE - TIME PARAMETER 010 | | | | | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1000.00 | B | 41000 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 2 | 4 | 1000.01 | B | 41000 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 3 | 4 | 1000.02 | B | 41000 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 4 | 4 | 1000.03 | B | 41000 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 5 | 4 | 1000.04 | B | 41000 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 6 | 4 | 1000.05 | B | 41000 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 7 | 4 | 1000.06 | B | 41000 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 8 | 4 | 1000.07 | B | 41000 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 9 | 4 | 1001.00 | B | 41001 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 10 | 4 | 1001.01 | B | 41001 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 11 | 4 | 1001.02 | B | 41001 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 12 | 4 | 1001.03 | B | 41001 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 13 | 4 | 1001.04 | B | 41001 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 14 | 4 | 1001.05 | B | 41001 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 15 | 4 | 1001.06 | B | 41001 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 16 | 4 | 1001.07 | B | 41001 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 17 | 4 | 1002.00 | B | 41002 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 18 | 4 | 1002.01 | B | 41002 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 19 | 4 | 1002.02 | B | 41002 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 20 | 4 | 1002.03 | B | 41002 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 21 | 4 | 1002.04 | B | 41002 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 22 | 4 | 1002.05 | B | 41002 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 23 | 4 | 1002.06 | B | 41002 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 24 | 4 | 1002.07 | B | 41002 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 25 | 4 | 1003.00 | B | 41003 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 26 | 4 | 1003.01 | B | 41003 | 02 | 64-TH-001-H | 64TH001-H | INTERNAL CABINET THERMOSTAT - ALARM | INTERNAL CABINET THERMOS | YES | 1 Bit | BOOL | BOOL | |
| 27 | 4 | 1003.02 | B | 41003 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 28 | 4 | 1003.03 | B | 41003 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 29 | 4 | 1003.04 | B | 41003 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 30 | 4 | 1003.05 | B | 41003 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 31 | 4 | 1003.06 | B | 41003 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 32 | 4 | 1003.07 | B | 41003 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 33 | 4 | 1004.00 | B | 41004 | 01 | 64-XY-001-H | 64XY001-H | VALVE XY-001 ALARM | VALVE XY001 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 34 | 4 | 1004.01 | B | 41004 | 02 | 64-XY-002-H | 64XY002-H | VALVE XY-002 ALARM | VALVE XY002 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 35 | 4 | 1004.02 | B | 41004 | 03 | 64-XY-003-H | 64XY003-H | VALVE XY-003 ALARM | VALVE XY003 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 36 | 4 | 1004.03 | B | 41004 | 04 | 64-XY-001-H | 64XY004-H | VALVE XY-004 ALARM | VALVE XY004 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 37 | 4 | 1004.04 | B | 41004 | 05 | 64-XY-002-H | 64XY005-H | VALVE XY-005 ALARM | VALVE XY005 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 38 | 4 | 1004.05 | B | 41004 | 06 | 64-XY-003-H | 64XY006-H | VALVE XY-006 ALARM | VALVE XY006 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 39 | 4 | 1004.06 | B | 41004 | 07 | 64-XY-001-H | 64XY007-H | VALVE XY-007 ALARM | VALVE XY007 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 40 | 4 | 1004.07 | B | 41004 | 08 | 64-XY-002-H | 64XY008-H | VALVE XY-008 ALARM | VALVE XY008 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 41 | 4 | 1005.00 | B | 41005 | 01 | 64-XY-003-H | 64XY009-H | VALVE XY-009 ALARM | VALVE XY009 ALARM | YES | 1 Bit | BOOL | BOOL | |
| 42 | 4 | 1005.01 | B | 41005 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 43 | 4 | 1005.02 | B | 41005 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 44 | 4 | 1005.03 | B | 41005 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 45 | 4 | 1005.04 | B | 41005 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 46 | 4 | 1005.05 | B | 41005 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 47 | 4 | 1005.06 | B | 41005 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 48 | 4 | 1005.07 | B | 41005 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 49 | 4 | 1006.00 | B | 41006 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 50 | 4 | 1006.01 | B | 41006 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 51 | 4 | 1006.02 | B | 41006 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 52 | 4 | 1006.03 | B | 41006 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 53 | 4 | 1006.04 | B | 41006 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 54 | 4 | 1006.05 | B | 41006 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 55 | 4 | 1006.06 | B | 41006 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 56 | 4 | 1006.07 | B | 41006 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 57 | 4 | 1007.00 | B | 41007 | 01 | 64-PT-051-LL | 64PT051-LL | INLET PRESSURE TRANSMITTER - LOW LOW ALARM (LL) | IL PRES TRANS - L L ALAR | YES | 1 Bit | BOOL | BOOL | |
| 58 | 4 | 1007.01 | B | 41007 | 02 | 64-PT-051-L | 64PT051-L | INLET PRESSURE TRANSMITTER - LOW ALARM (L) | IL PRES TRANS- LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 59 | 4 | 1007.02 | B | 41007 | 03 | 64-PT-051-H | 64PT051-H | INLET PRESSURE TRANSMITTER - HIGH ALARM (H) | IL PRES TRANS - HI ALARM | YES | 1 Bit | BOOL | BOOL | |
| 60 | 4 | 1007.03 | B | 41007 | 04 | 64-PT-051-HH | 64PT051-HH | INLET PRESSURE TRANSMITTER - HIGH HIGH ALARM (HH) | IL PRES TRANS- HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 61 | 4 | 1007.04 | B | 41007 | 05 | 64-PT-052-LL | 64PT052-LL | TOWER 1 PRESSURE TRANSMITTER - LOW LOW ALARM (LL) | T1 PRES TRANS -LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 62 | 4 | 1007.05 | B | 41007 | 06 | 64-PT-052-L | 64PT052-L | TOWER 1 PRESSURE TRANSMITTER - LOW ALARM (L) | T1 PRES TRANS -LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 63 | 4 | 1007.06 | B | 41007 | 07 | 64-PT-052-H | 64PT052-H | TOWER 1 PRESSURE TRANSMITTER - HIGH ALARM (H) | T1 PRES TRANS -HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 64 | 4 | 1007.07 | B | 41007 | 08 | 64-PT-052-HH | 64PT052-HH | TOWER 1 PRESSURE TRANSMITTER - HIGH HIGH ALARM (HH) | T1 PRES TRANS -HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 65 | 4 | 1008.00 | B | 41008 | 01 | 64-PT-053-LL | 64PT053-LL | TOWER 2 PRESSURE TRANSMITTER - LOW LOW ALARM (LL) | T2 PRES TRANS -LO LO ALM | YES | 1 Bit | BOOL | BOOL | |

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 4 | 1008.01 | B | 41008 | 02 | 64-PT-053-L | 64PT053-L | TOWER 2 PRESSURE TRANSMITTER - LOW ALARM (L) | T2 PRES TRANS -LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 67 | 4 | 1008.02 | B | 41008 | 03 | 64-PT-053-H | 64PT053-H | TOWER 2 PRESSURE TRANSMITTER - HIGH ALARM (H) | T2 PRES TRANS -HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 68 | 4 | 1008.03 | B | 41008 | 04 | 64-PT-053-HH | 64PT053-HH | TOWER 2 PRESSURE TRANSMITTER - HIGH HIGH ALARM (HH) | T2 PRES TRANS -HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 69 | 4 | 1008.04 | B | 41008 | 05 | 64-PT-057-LL | 64PT057-LL | OUTLET B PRESSURE TRANSMITTER - LOW LOW ALARM (LL) | OL B PRES TRANS LOLO ALM | YES | 1 Bit | BOOL | BOOL | |
| 70 | 4 | 1008.05 | B | 41008 | 06 | 64-PT-057-L | 64PT057-L | OUTLET B PRESSURE TRANSMITTER - LOW ALARM (L) | OL B PRES TRANS LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 71 | 4 | 1008.06 | B | 41008 | 07 | 64-PT-057-H | 64PT057-H | OUTLET B PRESSURE TRANSMITTER - HIGH ALARM (H) | OL B PRES TRANS HIHI ALM | YES | 1 Bit | BOOL | BOOL | |
| 72 | 4 | 1008.07 | B | 41009 | 08 | 64-PT-057-HH | 64PT057-HH | OUTLET B PRESSURE TRANSMITTER - HIGH HIGH ALARM (HH) | OL B PRES TRANS HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 73 | 4 | 1009.00 | B | 41009 | 01 | 64-PT-059-LL | 64PT059-LL | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW LOW ALARM (LL) | PRES TRANS INS AR LOLO A | YES | 1 Bit | BOOL | BOOL | |
| 74 | 4 | 1009.01 | B | 41009 | 02 | 64-PT-059-L | 64PT059-L | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - LOW ALARM (L) | PRES TRANS INS AR LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 75 | 4 | 1009.02 | B | 41009 | 03 | 64-PT-059-H | 64PT059-H | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH ALARM (H) | PRES TRANS INS AR HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 76 | 4 | 1009.03 | B | 41009 | 04 | 64-PT-059-HH | 64PT059-HH | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - HIGH HIGH ALARM (HH) | PRES TRANS INS AR HIHI A | YES | 1 Bit | BOOL | BOOL | |
| 77 | 4 | 1009.04 | B | 41009 | 05 | 64-PDIT-056-LL | 64PDIT056-LL | OXYGEN TRANSMITTER - LOW LOW ALARM (LL) | OXYGEN TRANS LO LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 78 | 4 | 1009.05 | B | 41009 | 06 | 64-PDIT-056-L | 64PDIT056-L | OXYGEN TRANSMITTER - LOW ALARM (L) | OXYGEN TRANS LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 79 | 4 | 1009.06 | B | 41009 | 07 | 64-PDIT-056-H | 64PDIT056-H | OXYGEN TRANSMITTER - HIGH ALARM (H) | OXYGEN TRANS HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 80 | 4 | 1009.07 | B | 41009 | 08 | 64-PDIT-056-HH | 64PDIT056-HH | OXYGEN TRANSMITTER - HIGH HIGH ALARM (HH) | OXYGEN TRANS HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 81 | 4 | 1010.00 | B | 41010 | 01 | 64-AT-051-LL | 64AT051-LL | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - LOW LOW ALARM (LL) | DIF PRES TRANS OL LO LO | YES | 1 Bit | BOOL | BOOL | |
| 82 | 4 | 1010.01 | B | 41010 | 02 | 64-AT-051-L | 64AT051-L | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - LOW ALARM (L) | DIF PRES TRANS OL LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 83 | 4 | 1010.02 | B | 41010 | 03 | 64-AT-051-H | 64AT051-H | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - HIGH ALARM (H) | DIF PRES TRANS OL LO ALM | YES | 1 Bit | BOOL | BOOL | |
| 84 | 4 | 1010.03 | B | 41010 | 04 | 64-AT-051-HH | 64AT051-HH | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - HIGH HIGH ALARM (HH) | DIF PRES TRANS HI HI ALM | YES | 1 Bit | BOOL | BOOL | |
| 85 | 4 | 1010.04 | B | 41010 | 05 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 86 | 4 | 1010.05 | B | 41010 | 06 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 87 | 4 | 1010.06 | B | 41010 | 07 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 88 | 4 | 1010.07 | B | 41010 | 08 | spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 89 | 4 | 1011.00 | B | 41011 | 01 | 64-PT-051-BADPV | 64PT051-BADPV | INLET PRESSURE TRANSMITTER - BAD PROCESS VALUE | IL PRES TRANS- BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 90 | 4 | 1011.01 | B | 41011 | 02 | 64-PT-052-BADPV | 64PT052-BADPV | TOWER 1 PRESSURE TRANSMITTER - BAD PROCESS VALUE | T1 PRES TRANS- BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 91 | 4 | 1011.02 | B | 41011 | 03 | 64-PT-053-BADPV | 64PT053-BADPV | TOWER 2 PRESSURE TRANSMITTER - BAD PROCESS VALUE | T2 PRES TRANS- BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 92 | 4 | 1011.03 | B | 41011 | 04 | 64-PT-057-BADPV | 64PT057-BADPV | OUTLET B PRESSURE TRANSMITTER - BAD PROCESS VALUE | OL B PRES TRANS- BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 93 | 4 | 1011.04 | B | 41011 | 05 | 64-PT-059-BADPV | 64PT059-BADPV | PRESSURE TRANSMITTER INSTRUMENT AIR RECIEVER - BAD PROCESS VALUE | PRES TRANS OL FIL-BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 94 | 4 | 1011.05 | B | 41011 | 06 | 64-PDIT-056-BADPV | 64PDIT056-BADPV | OXYGEN TRANSMITTER - BAD PROCESS VALUE | OXYGEN TRANS- BAD PV | YES | 1 Bit | BOOL | BOOL | |
| 95 | 4 | 1011.06 | B | 41011 | 07 | 64-AT-051-BADPV | 64AT051-BADPV | DIFFERENTIAL PRESSURE TRANSMITTER OUTLET FILTERS - BAD PROCESS VALUE | DIF PRES TRANS OL FIL-PV | YES | 1 Bit | BOOL | BOOL | |
| 96 | 4 | 1011.07 | B | 41011 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 97 | 4 | 1012.00 | B | 41012 | 01 | 64-ESD-SIS-001-H | 64ESD-SIS-001-H | PLANT SHUTDOWN ALARM (SIS) | PLANT SHITDOWN ALM | YES | 1 Bit | BOOL | BOOL | |
| 98 | 4 | 1012.01 | B | 41012 | 02 | 64-ALARM-PLANT | 64ALARM-PLANT | PLANT GENERAL ALARM | PLANT GEN ALARM | YES | 1 Bit | BOOL | BOOL | |
| 99 | 4 | 1012.02 | B | 41012 | 03 | 64-PLANT-READY | 64PLANT-READY | PLANT READY | PLANT READY | | 1 Bit | BOOL | BOOL | |
| 100 | 4 | 1012.03 | B | 41012 | 04 | 64-PLANT-RUNNING | 64PLANT-RUNNING | PLANT RUNNING | PLANT RUNNING | | 1 Bit | BOOL | BOOL | |
| 101 | 4 | 1012.04 | B | 41012 | 05 | 64-PLANT-LOCA-REM | 64PLANT-LOCA-REM | PLANT IN REMOTE MODE | PLANT IN REM MODE | | 1 Bit | BOOL | BOOL | |
| 102 | 4 | 1012.05 | B | 41012 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 103 | 4 | 1012.06 | B | 41012 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 104 | 4 | 1012.07 | B | 41012 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | VendorTag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Alarm | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 4 | 1013.00 | B | 41013 | 01 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 106 | 4 | 1013.01 | B | 41013 | 02 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 107 | 4 | 1013.02 | B | 41013 | 03 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 108 | 4 | 1013.03 | B | 41013 | 04 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 109 | 4 | 1013.04 | B | 41013 | 05 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 110 | 4 | 1013.05 | B | 41013 | 06 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 111 | 4 | 1013.06 | B | 41013 | 07 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 112 | 4 | 1013.07 | B | 41013 | 08 | Spare | | Spare | | | 1 Bit | BOOL | BOOL | |
| 113 | 4 | 1014.00 | B | 41014 | 01 | 64-XV-051 | 64-XV-051 | VALVE XY-001 OPEN COMMAND | VALVE XY-001 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 114 | 4 | 1014.01 | B | 41014 | 02 | 64-XV-052 | 64-XV-052 | VALVE XY-002 OPEN COMMAND | VALVE XY-002 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 115 | 4 | 1014.02 | B | 41014 | 03 | 64-XV-053 | 64-XV-053 | VALVE XY-003 OPEN COMMAND | VALVE XY-003 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 116 | 4 | 1014.03 | B | 41014 | 04 | 64-XV-054 | 64-XV-054 | VALVE XY-004 OPEN COMMAND | VALVE XY-004 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 117 | 4 | 1014.04 | B | 41014 | 05 | 64-XV-055 | 64-XV-055 | VALVE XY-005 OPEN COMMAND | VALVE XY-005 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 118 | 4 | 1014.05 | B | 41014 | 06 | 64-XV-056 | 64-XV-056 | VALVE XY-006 OPEN COMMAND | VALVE XY-006 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 119 | 4 | 1014.06 | B | 41014 | 07 | 64-XV-057 | 64-XV-057 | VALVE XY-007 OPEN COMMAND | VALVE XY-007 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 120 | 4 | 1014.07 | B | 41014 | 08 | 64-XV-058 | 64-XV-058 | VALVE XY-008 OPEN COMMAND | VALVE XY-008 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 121 | 4 | 1015.00 | B | 41015 | 01 | 64-XV-059 | 64-XV-059 | VALVE XY-009 OPEN COMMAND | VALVE XY-009 OPN CMD | | 1 Bit | BOOL | BOOL | |
| 122 | 4 | 1015.01 | B | 41015 | 02 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 123 | 4 | 1015.02 | B | 41015 | 03 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 124 | 4 | 1015.03 | B | 41015 | 04 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 125 | 4 | 1015.04 | B | 41015 | 05 | 64-ZSH-051 | 64ZSH-051 | VALVE XY-001 OPEN | VALVE XY-001 OPN | | 1 Bit | BOOL | BOOL | |
| 126 | 4 | 1015.05 | B | 41015 | 06 | 64-ZSL-051 | 64ZSL-051 | VALVE XY-001 CLOSED | VALVE XY-001 CLS | | 1 Bit | BOOL | BOOL | |
| 127 | 4 | 1015.06 | B | 41015 | 07 | 64-ZSH-052 | 64ZSH-052 | VALVE XY-002 OPEN | VALVE XY-002 OPN | | 1 Bit | BOOL | BOOL | |
| 128 | 4 | 1015.07 | B | 41015 | 08 | 64-ZSL-052 | 64ZSL-052 | VALVE XY-002 CLOSED | VALVE XY-002 CLS | | 1 Bit | BOOL | BOOL | |
| 129 | 4 | 1016.00 | B | 41016 | 01 | 64-ZSH-053 | 64ZSH-053 | VALVE XY-003 OPEN | VALVE XY-003 OPN | | 1 Bit | BOOL | BOOL | |
| 130 | 4 | 1016.01 | B | 41016 | 02 | 64-ZSL-053 | 64ZSL-053 | VALVE XY-003 CLOSED | VALVE XY-003 CLS | | 1 Bit | BOOL | BOOL | |
| 131 | 4 | 1016.02 | B | 41016 | 03 | 64-ZSH-054 | 64ZSH-054 | VALVE XY-004 OPEN | VALVE XY-004 OPN | | 1 Bit | BOOL | BOOL | |
| 132 | 4 | 1016.03 | B | 41016 | 04 | 64-ZSL-054 | 64ZSL-054 | VALVE XY-004 CLOSED | VALVE XY-004 CLS | | 1 Bit | BOOL | BOOL | |
| 133 | 4 | 1016.04 | B | 41016 | 05 | 64-ZSH-055 | 64ZSH-055 | VALVE XY-005 OPEN | VALVE XY-005 OPN | | 1 Bit | BOOL | BOOL | |
| 134 | 4 | 1016.05 | B | 41016 | 06 | 64-ZSL-055 | 64ZSL-055 | VALVE XY-005 CLOSED | VALVE XY-005 CLS | | 1 Bit | BOOL | BOOL | |
| 135 | 4 | 1016.06 | B | 41016 | 07 | 64-ZSH-056 | 64ZSH-056 | VALVE XY-006 OPEN | VALVE XY-006 OPN | | 1 Bit | BOOL | BOOL | |
| 136 | 4 | 1016.07 | B | 41016 | 08 | 64-ZSL-056 | 64ZSL-056 | VALVE XY-006 CLOSED | VALVE XY-006 CLS | | 1 Bit | BOOL | BOOL | |
| 137 | 4 | 1017.00 | B | 41017 | 01 | 64-ZSH-057 | 64ZSH-057 | VALVE XY-007 OPEN | VALVE XY-007 OPN | | 1 Bit | BOOL | BOOL | |
| 138 | 4 | 1017.01 | B | 41017 | 02 | 64-ZSL-057 | 64ZSL-057 | VALVE XY-007 CLOSED | VALVE XY-007 CLS | | 1 Bit | BOOL | BOOL | |
| 139 | 4 | 1017.02 | B | 41017 | 03 | 64-ZSH-058 | 64ZSH-058 | VALVE XY-008 OPEN | VALVE XY-008 OPN | | 1 Bit | BOOL | BOOL | |
| 140 | 4 | 1017.03 | B | 41017 | 04 | 64-ZSL-058 | 64ZSL-058 | VALVE XY-008 CLOSED | VALVE XY-008 CLS | | 1 Bit | BOOL | BOOL | |
| 141 | 4 | 1017.04 | B | 41017 | 05 | 64-ZSH-059 | 64ZSH-059 | VALVE XY-009 OPEN | VALVE XY-009 OPN | | 1 Bit | BOOL | BOOL | |
| 142 | 4 | 1017.05 | B | 41017 | 06 | 64-ZSL-059 | 64ZSL-059 | VALVE XY-009 CLOSED | VALVE XY-009 CLS | | 1 Bit | BOOL | BOOL | |
| 143 | 4 | 1017.06 | B | 41017 | 07 | spare | | spare | | | 1 Bit | BOOL | BOOL | |
| 144 | 4 | 1017.07 | B | 41017 | 08 | spare | | spare | | | 1 Bit | BOOL | BOOL | |

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1152 | B | 41152 | Spare | | SPARE - REAL PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 2 | 4 | 1156 | B | 41154 | Spare | | SPARE - REAL PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 3 | 4 | 1160 | B | 41156 | Spare | | SPARE - REAL PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 4 | 4 | 1164 | B | 41158 | Spare | | SPARE - REAL PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 5 | 4 | 1168 | B | 41160 | Spare | | SPARE - REAL PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 6 | 4 | 1172 | B | 41162 | Spare | | SPARE - REAL PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 7 | 4 | 1176 | B | 41164 | Spare | | SPARE - REAL PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 8 | 4 | 1180 | B | 41166 | Spare | | SPARE - REAL PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 9 | 4 | 1184 | B | 41168 | Spare | | SPARE - REAL PARAMETER 009 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 10 | 4 | 1188 | B | 41170 | Spare | | SPARE - REAL PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 32 Bit | UINT | REAL | |
| 11 | 4 | 1192 | B | 41172 | Spare | | SPARE - INTEGER PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 12 | 4 | 1194 | B | 41173 | Spare | | SPARE - INTEGER PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 13 | 4 | 1196 | B | 41174 | Spare | | SPARE - INTEGER PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 14 | 4 | 1198 | B | 41175 | Spare | | SPARE - INTEGER PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 15 | 4 | 1200 | B | 41176 | Spare | | SPARE - INTEGER PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 16 | 4 | 1202 | B | 41177 | Spare | | SPARE - INTEGER PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 17 | 4 | 1204 | B | 41178 | Spare | | SPARE - INTEGER PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 18 | 4 | 1206 | B | 41179 | Spare | | SPARE - INTEGER PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 19 | 4 | 1208 | B | 41180 | Spare | | SPARE - INTEGER PARAMETER 009 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 20 | 4 | 1210 | B | 41181 | Spare | | SPARE - INTEGER PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | INT | |
| 21 | 4 | 1212 | B | 41182 | Spare | | SPARE - TIME PARAMETER 001 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 22 | 4 | 1216 | B | 41184 | Spare | | SPARE - TIME PARAMETER 002 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 23 | 4 | 1220 | B | 41186 | Spare | | SPARE - TIME PARAMETER 003 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 24 | 4 | 1224 | B | 41188 | Spare | | SPARE - TIME PARAMETER 004 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 25 | 4 | 1228 | B | 41190 | Spare | | SPARE - TIME PARAMETER 005 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 26 | 4 | 1232 | B | 41192 | Spare | | SPARE - TIME PARAMETER 006 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 27 | 4 | 1236 | B | 41194 | Spare | | SPARE - TIME PARAMETER 007 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 28 | 4 | 1240 | B | 41196 | Spare | | SPARE - TIME PARAMETER 008 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |
| 29 | 4 | 1244 | B | 41198 | Spare | | SPARE - TIME PARAMETER 010 | | | | NA | | | | | 0 | 65535 | 16 Bit | UINT | TIME | |



This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## NITROGEN GENERATION PACKAGE

| No. | PROFINET Device Type | Vendor PROFINET Address | PCS Function Code | PCS PROFINET Address | PCS PROFINET Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1150.00 | B | 41150 | 01 | 64-START-PLANT-CMD | 64STARTPLANT-CMD | REMOTE START COMMAND | REMOTE START COMMAND | 1 Bit | BOOL | BOOL | |
| 2 | 4 | 1150.01 | B | 41150 | 02 | 64-STOP-PLANT-CMD | 64STOPPLANT-CMD | REMOTE STOP COMMAND | REMOTE STOP COMMAND | 1 Bit | BOOL | BOOL | |
| 3 | 4 | 1150.02 | B | 41150 | 03 | Spare | | SPARE | Spare | 1 Bit | BOOL | BOOL | |
| 4 | 4 | 1150.03 | B | 41150 | 04 | 64-ACK-ALARM | 64ACK-ALARM | REMOTE ALARMS ACKNOWLEDGE | REMOTE ALARMS ACKNOWLEDG | 1 Bit | BOOL | BOOL | |
| 5 | 4 | 1150.04 | B | 41150 | 05 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 6 | 4 | 1150.05 | B | 41150 | 06 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 7 | 4 | 1150.06 | B | 41150 | 07 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 8 | 4 | 1150.07 | B | 41150 | 08 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 9 | 4 | 1151.00 | B | 41151 | 01 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 10 | 4 | 1151.01 | B | 41151 | 02 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 11 | 4 | 1151.02 | B | 41151 | 03 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 12 | 4 | 1151.03 | B | 41151 | 04 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 13 | 4 | 1151.04 | B | 41151 | 05 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 14 | 4 | 1151.05 | B | 41151 | 06 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 15 | 4 | 1151.06 | B | 41151 | 07 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |
| 16 | 4 | 1151.07 | B | 41151 | 08 | SPARE | | SPARE | | 1 Bit | BOOL | BOOL | |


This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 1.0 | A | 40000 | 01 | COMMON | 87XA-7101 | SG200N1 SA FAULT | SG200N1 SA FAULT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 2 | 3 | 2.0 | A | 40000 | 02 | COMMON | 87XA-7102 | LOSS 230VAC AUX VOLT | LOSS 230VAC AUX VOLT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 3 | 3 | 3.0 | A | 40000 | 03 | COMMON | 87XS-7116 | FP1 WATCH DOG PROT | FP1 WATCHDOG PROT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 4 | 3 | 4.0 | A | 40000 | 04 | COMMON | 87XA-7103 | MTR FDR FLT | MTR FDR FLT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 5 | 3 | 7.0 | A | 40000 | 07 | COMMON | 87XA7105 | MCB'S HEALTHY | MCB'S HEALTHY | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 6 | 3 | 9.0 | A | 40000 | 09 | COMMON | 87XA-7104 | DP-200N1 SA FAULT | DP-200N1 SA FAULT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 7 | 3 | 10.0 | A | 40000 | 10 | COMMON | 87US-7107 | DP-200N1 EMER LITE ON | DP-200N1 EMG LITE ON | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 8 | 3 | 11.0 | A | 40000 | 11 | COMMON | 87XA-7108 | DP-200N1 EMER LITE ACT | DP-200N1 EMG LITE ACT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 9 | 3 | 12.0 | A | 40000 | 12 | COMMON | 87ZSL-7108 | DP-200N1 EMER CB CLS | DP-200N1 EMG CB CLS | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 10 | 3 | 13.0 | A | 40000 | 13 | COMMON | 87US-7109 | DP-200N1 TRACE HEAT ACT | DP-200N1 TRC HEAT ACT | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 11 | 3 | 14.0 | A | 40000 | 14 | COMMON | 87ZSL-7105 | DP-200N1 TRACE HEAT CB | DP-200N1 TRC HEAT CB | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 12 | 3 | 15.0 | A | 40000 | 15 | COMMON | 87ZSL-7106 | DP-200N1 MAIN AND UTIL CB | DP-200N1 TRC HEAT CB | 1 Bit | BOOL | 1 Bit | LVSWGR |
| 13 | 3 | 40015.0 | A | 40015 | 01 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSL-7201 | CB CLS | CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 14 | 3 | 40015.1 | A | 40015 | 02 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSH-7201 | CB OPN | CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 15 | 3 | 40015.2 | A | 40015 | 03 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XA-7201 | CB TRIP | CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 16 | 3 | 40015.2 | A | 40015 | 08 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20LOC-7203 | SA1 LOC | SA1 LOCAL | 1 Bit | BOOL | BOOL | LVSWGR |
| 17 | 3 | 40050.0 | A | 40050 | 01 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7117 | CIRCUIT-BRAKER - PROTECTION TRIPPED L | QF1 PROT TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 18 | 3 | 40050.1 | A | 40050 | 02 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7118 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | QF1 PROT TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 19 | 3 | 40050.2 | A | 40050 | 03 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7119 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | QF1 PROT TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 20 | 3 | 40050.3 | A | 40050 | 04 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7120 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | QF1 PROT TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 21 | 3 | 40050.4 | A | 40050 | 05 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSH-7103 | CIRCUIT-BRAKER - OPEN | QF1 - OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 22 | 3 | 40050.5 | A | 40050 | 06 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSL-7103 | CIRCUIT-BRAKER - CLOSED | QF1 - CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 23 | 3 | 40050.6 | A | 40050 | 07 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20US-7101 | CIRCUIT-BRAKER - CONNECTED | QF1 - CONNECTED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 24 | 3 | 40050.7 | A | 40050 | 08 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20TST-7101 | CIRCUIT-BRAKER - TEST | QF1 - TEST | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 25 | 3 | 40050.8 | A | 40050 | 09 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7121 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | QF1 - TRIP UNIT DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 26 | 3 | 40015.0 | A | 40015 | 01 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 27 | 3 | 40015.1 | A | 40015 | 02 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 28 | 3 | 40015.2 | A | 40015 | 03 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20XS-7202 | CIRCUIT-BRAKER - TRIPPED | CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 29 | 3 | 40015.3 | A | 40015 | 04 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 30 | 3 | 40015.4 | A | 40015 | 05 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 31 | 3 | 40015.0 | A | 40015 | 01 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 32 | 3 | 40015.1 | A | 40015 | 02 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 33 | 3 | 40015.2 | A | 40015 | 03 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20LOC-7302 | SA1 ON LOCAL POSITION | SA1 LOCAL | 1 Bit | BOOL | BOOL | LVSWGR |
| 34 | 3 | 40015.3 | A | 40015 | 04 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 35 | 3 | 40015.4 | A | 40015 | 05 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | | available | | 1 Bit | BOOL | BOOL | LVSWGR |
| 36 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS F&G BYP CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 37 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS F&G BYP CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 38 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XS-7201 | CIRCUIT-BRAKER - TRIPPED | AC UPS F&G BYP CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 39 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XA-7201 | INTERNAL FAULT | AC UPS F&G BYP CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 40 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSL-7209 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS PAS LN A CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 41 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSH-7209 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS PAS LN A CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 42 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87XS-7209 | CIRCUIT-BRAKER - TRIPPED | AC UPS PAS LN A CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 43 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87XA-7209 | INTERNAL FAULT | AC UPS PAS LN A CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 44 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSL-7205 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS PAS LN B CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 45 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSH-7205 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS PAS LN B CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 46 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87XS-7205 | CIRCUIT-BRAKER - TRIPPED | AC UPS PAS LN B CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 47 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87XA-7205 | INTERNAL FAULT | AC UPS PAS LN B CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 48 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS F&G LN A CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 49 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS F&G LN A CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 50 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XS-7202 | CIRCUIT-BRAKER - TRIPPED | AC UPS F&G LN A CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 51 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XA-7202 | INTERNAL FAULT | AC UPS F&G LN A CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 52 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSL-7203 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS F&G LN B CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 53 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70ZSH-7203 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS F&G LN B CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 54 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XS-7203 | CIRCUIT-BRAKER - TRIPPED | AC UPS F&G LN B CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 55 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 70XA-7203 | INTERNAL FAULT | AC UPS F&G LN B CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 56 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSL-7206 | CIRCUIT-BRAKER - CLOSED AND INSERTED | WELD TOP DECK CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 57 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSH-7206 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | WELD TOP DECK CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 58 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XS-7206 | CIRCUIT-BRAKER - TRIPPED | WELD TOP DECK CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 59 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XA-7206 | INTERNAL FAULT | WELD TOP DECK CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 60 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSL-7207 | CIRCUIT-BRAKER - CLOSED AND INSERTED | AC UPS PAS BYP CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 61 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSH-7207 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | AC UPS PAS BYP CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 62 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XS-7207 | CIRCUIT-BRAKER - TRIPPED | AC UPS PAS BYP CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 63 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XA-7207 | INTERNAL FAULT | AC UPS PAS BYP CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 64 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85ZSL-7204 | CIRCUIT-BRAKER - CLOSED AND INSERTED | DC BAT FDR A CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 65 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85ZSH-7204 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | DC BAT FDR A CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 66 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XS-7204 | CIRCUIT-BRAKER - TRIPPED | DC BAT FDR A CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 67 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XA-7204 | INTERNAL FAULT | DC BAT FDR A CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 68 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85ZSL-7205 | CIRCUIT-BRAKER - CLOSED AND INSERTED | DC BAT FDR B CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 69 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85ZSH-7205 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | DC BAT FDR B CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 70 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XS-7205 | CIRCUIT-BRAKER - TRIPPED | DC BAT FDR B CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 71 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XA-7205 | INTERNAL FAULT | DC BAT FDR B CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 72 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | NAVAID FDR A CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 73 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | NAVAID FDR A CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 74 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72XS-7201 | CIRCUIT-BRAKER - TRIPPED | NAVAID FDR A CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 75 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72XA-7201 | INTERNAL FAULT | NAVAID FDR A CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 76 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | NAVAID FDR B CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 77 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | NAVAID FDR B CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 78 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72XS-7202 | CIRCUIT-BRAKER - TRIPPED | NAVAID FDR B CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 79 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 72XA-7202 | INTERNAL FAULT | NAVAID FDR B CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 80 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSL-7208 | CIRCUIT-BRAKER - CLOSED AND INSERTED | WELD LOW DECK CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 81 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ L1-n ÷ L2-n) | 87ZSH-7208 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | WELD LOW DECK CB OP | 1 Bit | BOOL | BOOL | LVSWGR |
| 82 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XS-7208 | CIRCUIT-BRAKER - TRIPPED | WELD LOW DECK CB TRIP | 1 Bit | BOOL | BOOL | LVSWGR |
| 83 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ L1-n ÷ L2-n) | 85XA-7208 | INTERNAL FAULT | WELD LOW DECK CB FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 84 | | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7101 | CB PROT TRIP L | DB BOP TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 85 | | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | DB BOP TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 86 | | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | DB BOP TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | DB BOP TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 88 | | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7101 | CIRCUIT-BRAKER - OPEN | DB BOP OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 89 | | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7101 | CIRCUIT-BRAKER - CLOSED | DB BOP CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 90 | | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | DB BOP TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 91 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | DB BOP CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 92 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | DB BOP CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 93 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7201 | CIRCUIT-BRAKER - TRIPPED | DB BOP TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 94 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87AVL-7201 | FEEDER AVAILABLE | DB BOP FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 95 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XA-7201 | INTERNAL FAULT | DB BOP INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 96 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87LOC-7301 | SA1 ON "LOCAL" POSITION | DB BOP SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 97 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7106 | CB PROT TRIP L | CRANE TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 98 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7107 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | CRANE TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 99 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7108 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | CRANE TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 100 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7109 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | CRANE TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 101 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7102 | CIRCUIT-BRAKER - OPEN | CRANE OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 102 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7102 | CIRCUIT-BRAKER - CLOSED | CRANE CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 103 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7110 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | CRANE TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 104 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | CRANE CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 105 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | CRANE CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 106 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7202 | CIRCUIT-BRAKER - TRIPPED | CRANE TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 107 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87AVL-7202 | FEEDER AVAILABLE | CRANE FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 108 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XA-7202 | INTERNAL FAULT | NORMAL,,FAULT,NORMAL | 1 Bit | BOOL | BOOL | LVSWGR |
| 109 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87LOC-7302 | SA1 ON "LOCAL" POSITION | CRANE SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 110 | | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7101 | CB PROT TRIP L | WTP TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 111 | | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | WTP TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 112 | | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | WTP TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 113 | | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | WTP TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 114 | | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50ZSH-7101 | CIRCUIT-BRAKER - OPEN | WTP OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 115 | | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50ZSL-7101 | CIRCUIT-BRAKER - CLOSED | WTP CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 116 | | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | WTP TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 117 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | WTP CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 118 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | WTP CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 119 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XS-7201 | CIRCUIT-BRAKER - TRIPPED | WTP TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 120 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50AVL-7201 | FEEDER AVAILABLE | WTP FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 121 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50XA-7201 | INTERNAL FAULT | WTP INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 122 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50LOC-7301 | SA1 ON "LOCAL" POSITION | WTP SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 123 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7101 | CB PROT TRIP L | HVAC PNL RM TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 124 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | HVAC PNL RM TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 125 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | HVAC PNL RM TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 126 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | HVAC PNL RM TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 127 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7101 | CIRCUIT-BRAKER - OPEN | HVAC PNL HV OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 128 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7101 | CIRCUIT-BRAKER - CLOSED | HVAC PNL HV CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 129 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | HVAC PNL HV TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 130 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | HVAC PNL HV CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 131 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | HVAC PNL HV CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 132 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7201 | CIRCUIT-BRAKER - TRIPPED | HVAC PNL HV TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 133 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77AVL-7201 | FEEDER AVAILABLE | HVAC PNL HV FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 134 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XA-7201 | INTERNAL FAULT | HVAC PNL HV INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 135 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77LOC-7201 | SA1 ON "LOCAL" POSITION | HVAC PNL HV SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 136 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7101 | CB PROT TRIP L | FC AUX LD TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 137 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | FC AUX LD TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 138 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | FC AUX LD TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 139 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | FC AUX LD TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 140 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80ZSH-7101 | CIRCUIT-BRAKER - OPEN | FC AUX LD OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 141 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80ZSL-7101 | CIRCUIT-BRAKER - CLOSED | FC AUX LD CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 142 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | FC AUX LD TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 143 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | FC AUX LDCB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 144 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | FC AUX LDCB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 145 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XS-7206 | CIRCUIT-BRAKER - TRIPPED | FC AUX LDTRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 146 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80AVL-7201 | FEEDER AVAILABLE | FC AUX LDFDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 147 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80XA-7201 | INTERNAL FAULT | FC AUX LDINTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 148 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80LOC-7301 | SA1 ON "LOCAL" POSITION | FC AUX LD SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 149 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7101 | CB PROT TRIP L | BESS PCS TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 150 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | BESS PCS TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 151 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | BESS PCS TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 152 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | BESS PCS TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 153 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7101 | CIRCUIT-BRAKER - OPEN | BESS PCS HV OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 154 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7101 | CIRCUIT-BRAKER - CLOSED | BESS PCS HV CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 155 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | BESS PCS HV TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 156 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | BESS PCS CAB CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 157 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | BESS PCS CAB CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 158 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7201 | CIRCUIT-BRAKER - TRIPPED | BESS PCS CAB TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 159 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85AVL-7201 | FEEDER AVAILABLE | BESS PCS CAB FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 160 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XA-7201 | INTERNAL FAULT | BESS PCS CAB INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 161 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85LOC-7301 | SA1 ON "LOCAL" POSITION | BESS PCS CAB SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 162 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7101 | CB PROT TRIP L | IA 01A TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 163 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7102 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | IA 01A TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 164 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7103 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | IA 01A TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 165 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7104 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | IA 01A TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 166 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSH-7101 | CIRCUIT-BRAKER - OPEN | IA 01A OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 167 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSL-7101 | CIRCUIT-BRAKER - CLOSED | IA 01A CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 168 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7105 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | IA 01A TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 169 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSL-7201 | CIRCUIT-BRAKER - CLOSED AND INSERTED | IA 01A CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 170 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSH-7201 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | IA 01A CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 171 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7201 | CIRCUIT-BRAKER - TRIPPED | IA 01A TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 172 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63AVL-7201 | FEEDER AVAILABLE | IA 01A FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 173 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XA-7201 | INTERNAL FAULT | IA 01A INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 174 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63LOC-7301 | SA1 ON "LOCAL" POSITION | IA 01A SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 175 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7106 | CB PROT TRIP L | HVAC LV RM TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 176 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7107 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | HVAC LV RM TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 177 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7108 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | HVAC LV RM TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 178 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7109 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | HVAC LV RM TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 179 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7102 | CIRCUIT-BRAKER - OPEN | HVAC LV RM OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 180 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7102 | CIRCUIT-BRAKER - CLOSED | HVAC LV RM CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 181 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7110 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | HVAC LV RM TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 182 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | HVAC LV RM CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 183 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | HVAC LV RM CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 184 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7202 | CIRCUIT-BRAKER - TRIPPED | HVAC LV RM TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 185 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77AVL-7202 | FEEDER AVAILABLE | HVAC LV RM FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 186 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XA-7202 | INTERNAL FAULT | HVAC LV RM INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 187 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77LOC-7302 | SA1 ON "LOCAL" POSITION | HVAC LV RM SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 188 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7111 | CB PROT TRIP L | HVAC UPS RM TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 189 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7112 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | HVAC UPS RM TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 190 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7113 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | HVAC UPS RM TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 191 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7114 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | HVAC UPS RM TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 192 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7103 | CIRCUIT-BRAKER - OPEN | HVAC UPS RM OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 193 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7103 | CIRCUIT-BRAKER - CLOSED | HVAC UPS RM CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 194 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7115 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | HVAC UPS RM TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 195 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7203 | CIRCUIT-BRAKER - CLOSED AND INSERTED | HVAC UPS RM CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 196 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7203 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | HVAC UPS RM CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 197 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7203 | CIRCUIT-BRAKER - TRIPPED | HVAC UPS RM TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 198 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77AVL-7203 | FEEDER AVAILABLE | HVAC UPS RM FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 199 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XA-7203 | INTERNAL FAULT | HVAC UPS RM INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 200 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77LOC-7303 | SA1 ON "LOCAL" POSITION | HVAC UPS RM SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 201 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7116 | CB PROT TRIP L | HVAC ITER TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 202 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7117 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | HVAC ITER TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 203 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7118 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | HVAC ITER TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 204 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7119 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | HVAC ITER TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 205 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7104 | CIRCUIT-BRAKER - OPEN | HVAC ITER OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 206 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7104 | CIRCUIT-BRAKER - CLOSED | HVAC ITER CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 207 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7120 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | HVAC ITER TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 208 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSL-7204 | CIRCUIT-BRAKER - CLOSED AND INSERTED | HVAC ITER CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 209 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77ZSH-7204 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | HVAC ITER CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 210 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XS-7204 | CIRCUIT-BRAKER - TRIPPED | HVAC ITER TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 211 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77AVL-7204 | FEEDER AVAILABLE | HVAC ITER FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 212 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77XA-7204 | INTERNAL FAULT | HVAC ITER INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 213 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77LOC-7304 | SA1 ON "LOCAL" POSITION | HVAC ITER SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 214 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7111 | CB PROT TRIP L | ICCP TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 215 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7112 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | ICCP TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 216 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7113 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | ICCP TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 217 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7114 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | ICCP TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 218 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7103 | CIRCUIT-BRAKER - OPEN | ICCP OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 219 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7103 | CIRCUIT-BRAKER - CLOSED | ICCP CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 220 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7115 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | ICCP TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 221 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSL-7203 | CIRCUIT-BRAKER - CLOSED AND INSERTED | ICCP CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 222 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87ZSH-7203 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | ICCP CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 223 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XS-7203 | CIRCUIT-BRAKER - TRIPPED | ICCP TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 224 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87AVL-7203 | FEEDER AVAILABLE | ICCP FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 225 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87XA-7203 | INTERNAL FAULT | ICCP INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 226 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87LOC-7303 | SA1 ON "LOCAL" POSITION | ICCP SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 227 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7106 | CB PROT TRIP L | IA 01B TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 228 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7107 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | IA 01B TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 229 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7108 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | IA 01B TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 230 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7109 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | IA 01B TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 231 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSH-7102 | CIRCUIT-BRAKER - OPEN | IA 01B OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 232 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSL-7102 | CIRCUIT-BRAKER - CLOSED | IA 01B CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 233 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7110 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | IA 01B TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 234 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSL-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | IA 01B CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 235 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63ZSH-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | IA 01B CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 236 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XS-7202 | CIRCUIT-BRAKER - TRIPPED | IA 01B TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 237 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63AVL-7202 | FEEDER AVAILABLE | IA 01B FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 238 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63XA-7202 | INTERNAL FAULT | IA 01B INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 239 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63LOC-7302 | SA1 ON "LOCAL" POSITION | IA 01B SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 240 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7106 | CB PROT TRIP L | BESS LV1 TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 241 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7107 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | BESS LV1 TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 242 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7108 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | BESS LV1 TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 243 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7109 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | BESS LV1 TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 244 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7102 | CIRCUIT-BRAKER - OPEN | BESS LV1 HV OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 245 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7102 | CIRCUIT-BRAKER - CLOSED | BESS LV1 HV CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 246 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7110 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | BESS LV1 HV TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 247 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7202 | CIRCUIT-BRAKER - CLOSED AND INSERTED | BESS LV1 CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 248 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7202 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | BESS LV1 CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 249 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7202 | CIRCUIT-BRAKER - TRIPPED | BESS LV1 TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 250 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85AVL-7202 | FEEDER AVAILABLE | BESS LV1 FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 251 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XA-7202 | INTERNAL FAULT | BESS LV1 INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 252 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85LOC-7302 | SA1 ON "LOCAL" POSITION | BESS LV1 SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 253 | 3 | 40050.0 | A | 40050 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7111 | CB PROT TRIP L | BESS LV2 TRIP L | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 254 | 3 | 40050.1 | A | 40050 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7112 | CIRCUIT-BRAKER - PROTECTION TRIPPED S | BESS LV2 TRIP S | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 255 | 3 | 40050.2 | A | 40050 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7113 | CIRCUIT-BRAKER - PROTECTION TRIPPED I | BESS LV2 TRIP I | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 256 | 3 | 40050.3 | A | 40050 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7114 | CIRCUIT-BRAKER - PROTECTION TRIPPED G | BESS LV2 TRIP G | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 257 | 3 | 40040.6 | A | 40040 | 07 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7103 | CIRCUIT-BRAKER - OPEN | BESS LV2 HV OPEN | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 258 | 3 | 40040.0 | A | 40040 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7103 | CIRCUIT-BRAKER - CLOSED | BESS LV2 HV CLOSED | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 259 | 3 | 40040.15 | A | 40040 | 15 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7115 | CIRCUIT-BRAKER - TRIP UNIT DISCONNECTED | BESS LV2 HV TRIP DISCON | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 260 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSL-7203 | | BESS LV2 CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 261 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85ZSH-7203 | | BESS LV2 CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 262 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XS-7203 | | BESS LV2 TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 263 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85AVL-7203 | | BESS LV2 FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 264 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85XA-7203 | | BESS LV2 INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 265 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85LOC-7303 | | BESS LV2 SA1 LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 266 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 852CXL-018 | | BESS LV2 AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 267 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 852CXL-019 | | BESS LV2 AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 268 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 852CXL-020 | | BESS LV2 AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 269 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 852CXL-021 | | BESS LV2 AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 270 | 3 | 40015.0 | A | 40015 | 01 | miscellaneous USERS (typ LE2-320) | 87ZSH-7204 | CIRCUIT-BRAKER - CLOSED AND INSERTED | TEMP GEN/BAT CB CLS | 1 Bit | BOOL | BOOL | LVSWGR |
| 271 | 3 | 40015.1 | A | 40015 | 02 | miscellaneous USERS (typ LE2-320) | 87ZSL-7204 | CIRCUIT-BRAKER - OPEN OR DISCONNECTED | TEMP GEN/BAT CB OPN | 1 Bit | BOOL | BOOL | LVSWGR |
| 272 | 3 | 40015.2 | A | 40015 | 03 | miscellaneous USERS (typ LE2-320) | 87XS-7204 | CIRCUIT-BRAKER - TRIPPED | TEMP GEN/BAT CB TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 273 | 3 | 40015.3 | A | 40015 | 04 | miscellaneous USERS (typ LE2-320) | 87AVL-7204 | FEEDER AVAILABLE | TEMP GEN/BAT FDR AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 274 | 3 | 40015.4 | A | 40015 | 05 | miscellaneous USERS (typ LE2-320) | 87XA-7204 | INTERNAL FAULT | TEMP GEN/BAT INTER FLT | 1 Bit | BOOL | BOOL | LVSWGR |
| 275 | Hold | Hold | A | 40015 | 01 | miscellaneous USERS (typ M1-6) | 50XI-001A | MEASURE - CURRENT (average) | SW PMP A CURRENT | 16 Bit | INT16 | | LVSWGR |
| 276 | Hold | Hold | A | 40015 | 01 | miscellaneous USERS (typ M1-6) | 50XL-002A | SA1 ON "LOCAL" POSITION | SW PMP A LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 277 | Hold | Hold | A | 40015 | 02 | miscellaneous USERS (typ M1-6) | 50XL-001A | MOTOR RUNNING | SW PMP A RUNNING | 1 Bit | BOOL | BOOL | LVSWGR |
| 278 | Hold | Hold | A | 40015 | 03 | miscellaneous USERS (typ M1-6) | 50XA-004A | MOTOR TRIPPED | SW PMP A TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 279 | Hold | Hold | A | 40015 | 04 | miscellaneous USERS (typ M1-6) | 50XL-003A | USER AVAILABLE | SW PMP A AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 280 | Hold | Hold | A | 40015 | 05 | miscellaneous USERS (typ M1-6) | 50XS-001A | ESD ACTIVETED | SW PMP A ESD ACT | 1 Bit | BOOL | BOOL | LVSWGR |
| 281 | Hold | Hold | A | 40015 | 06 | miscellaneous USERS (typ M1-6) | 50PA1-001A | MOTOR STOPPED BY PA1 (PUSH BUTTON ACTIVETED) | SW PMP A PA1 LOC STOP | 1 Bit | BOOL | BOOL | LVSWGR |
| 282 | Hold | Hold | A | 40015 | 01 | miscellaneous USERS (typ M1-6) | 50XI-001B | MEASURE - CURRENT (average) | SW PMP B CURRENT | 16 Bit | INT16 | | LVSWGR |
| 283 | Hold | Hold | A | 40015 | 01 | miscellaneous USERS (typ M1-6) | 50XL-002B | SA1 ON "LOCAL" POSITION | SW PMP B LOC | 1 Bit | BOOL | BOOL | LVSWGR |
| 284 | Hold | Hold | A | 40015 | 02 | miscellaneous USERS (typ M1-6) | 50XL-001B | MOTOR RUNNING | SW PMP B RUNNING | 1 Bit | BOOL | BOOL | LVSWGR |
| 285 | Hold | Hold | A | 40015 | 03 | miscellaneous USERS (typ M1-6) | 50XA-004B | MOTOR TRIPPED | SW PMP B TRIPPED | 1 Bit | BOOL | BOOL | LVSWGR |
| 286 | Hold | Hold | A | 40015 | 04 | miscellaneous USERS (typ M1-6) | 50XL-003B | USER AVAILABLE | SW PMP B AVAIL | 1 Bit | BOOL | BOOL | LVSWGR |
| 287 | Hold | Hold | A | 40015 | 05 | miscellaneous USERS (typ M1-6) | 50XS-001B | ESD ACTIVETED | SW PMP B ESD ACT | 1 Bit | BOOL | BOOL | LVSWGR |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 288 | Hold | Hold | A | 40015 | 06 | miscellaneous USERS (typ M1-6) | 50PA1-001B | MOTOR STOPPED BY PA1 (PUSH BUTTON ACTIVETED) | SW PMP B PA1 LOC STOP | 1 Bit | BOOL | BOOL | LVSWGR |
| 289 | Hold | Hold | A | 40000 | 08 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20HSH-7152 | CIRCUIT-BRAKER - CLOSE COMMAND | QF1 - CLOSE COMMAND | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |
| 290 | Hold | Hold | A | 40000 | 07 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20HSL-7152 | CIRCUIT-BRAKER - OPEN COMMAND | QF1 - OPEN COMMAND | 1 Bit | BOOL | BOOL | LVSWGR(Ekip-HMI) |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Hold | Hold | A | 400015 | - | 50XI-001A | SEA WATER PUMP A MEASURE - CURRENT (average) | SW PMP A CURRENT | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | LVSWGR |
| 2 | Hold | Hold | A | 400015 | - | 50XI-001B | SEA WATER PUMP B MEASURE - CURRENT (average) | SW PMP B CURRENT | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | LVSWGR |
| 3 | 4 | 100-101 | A | 30100 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20CI-4105 | MEASURE - CURRENT L1 | QF1 CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 4 | 4 | 102-103 | A | 30102 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20CI-4205 | MEASURE - CURRENT L2 | QF1 CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 5 | 4 | 104-105 | A | 30104 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20CI-4305 | MEASURE - CURRENT L3 | QF1 CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 6 | 4 | 00154 | A | 30154 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20VI-1204 | MEASURE - VOLTAGE L1-L2 | QF1 VOLTAGE L1-L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 7 | 4 | 00155 | A | 30155 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20VI-2304 | MEASURE - VOLTAGE L2-L3 | QF1 VOLTAGE L2-L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 8 | 4 | 00156 | A | 30155 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20VI-3104 | MEASURE - VOLTAGE L3-L1 | QF1 VOLTAGE L3-L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 9 | 4 | 00254 | A | 30254 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20FRQ-0001 | MEASURE - FREQUENCY | QF1 FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 10 | 4 | 222-223 | A | 30223 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20JI-1604 | MEASURE - APPARENT POWER | QF1 APPARENT POWER | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 11 | 4 | 206-207 | A | 30206 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20JI-1804 | MEASURE - REAL POWER | QF1 REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 12 | 4 | 214-215 | A | 30214 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20JI-1704 | MEASURE - REACTIVE POWER | QF1 REACTIVE POWER | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 13 | 4 | 00253 | A | 30253 | A-20000 ELECTROLYSER AUXILIARY LOAD (typ L3-630) | 20UI-1904 | MEASURE - POWER FACTOR | QF1 POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 14 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4106 | MEASURE - CURRENT L1 | HVAC PNL RM CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 15 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4206 | MEASURE - CURRENT L2 | HVAC PNL RM CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 16 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4306 | MEASURE - CURRENT L3 | HVAC PNL RM CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 17 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1206 | MEASURE - VOLTAGE L1-L2 | HVAC PNL RM VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 18 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2306 | MEASURE - VOLTAGE L2-L3 | HVAC PNL RM VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 19 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3106 | MEASURE - VOLTAGE L3-L1 | HVAC PNL RM VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 20 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0006 | MEASURE - FREQUENCY | HVAC PNL RM FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 21 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1606 | MEASURE - APPARENT POWER | HVAC PNL RM APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 22 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1806 | MEASURE - REAL POWER | HVAC PNL RM REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 23 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1706 | MEASURE - REACTIVE POWER | HVAC PNL RM REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 24 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1906 | MEASURE - POWER FACTOR | HVAC PNL RM POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 25 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4107 | MEASURE - CURRENT L1 | TEMP GEN/BAT CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 26 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4207 | MEASURE - CURRENT L2 | TEMP GEN/BAT CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 27 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4307 | MEASURE - CURRENT L3 | TEMP GEN/BAT CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 28 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1207 | MEASURE - VOLTAGE L1-L2 | TEMP GEN/BAT VOL L1-L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 29 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2307 | MEASURE - VOLTAGE L2-L3 | TEMP GEN/BAT VOL L2-L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 30 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3107 | MEASURE - VOLTAGE L3-L1 | TEMP GEN/BAT VOL L3-L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 31 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0007 | MEASURE - FREQUENCY | TEMP GEN/BAT FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 32 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1607 | MEASURE - APPARENT POWER | TEMP GEN/BAT APPARNT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 33 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1807 | MEASURE - REAL POWER | TEMP GEN/BAT REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 34 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1707 | MEASURE - REACTIVE POWER | TEMP GEN/BAT REACT POWER | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 35 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1907 | MEASURE - POWER FACTOR | TEMP GEN/BAT PWRFACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 36 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4101 | MEASURE - CURRENT L1 | DB BOP CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 37 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4201 | MEASURE - CURRENT L2 | DB BOP CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 38 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4301 | MEASURE - CURRENT L3 | DB BOP CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 39 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-1201 | MEASURE - VOLTAGE L1-L2 | DB BOP VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 40 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-2301 | MEASURE - VOLTAGE L2-L3 | DB BOP VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 41 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-3101 | MEASURE - VOLTAGE L3-L1 | DB BOP VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 42 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87FRQ-0001 | MEASURE - FREQUENCY | DB BOP FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 43 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1601 | MEASURE - APPARENT POWER | DB BOP APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 44 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1801 | MEASURE - REAL POWER | DB BOP REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 45 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1701 | MEASURE - REACTIVE POWER | DB BOP REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 46 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87UI-1901 | MEASURE - POWER FACTOR | DB BOP POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 47 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4102 | MEASURE - CURRENT L1 | CRANE CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 48 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4202 | MEASURE - CURRENT L2 | CRANE CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 49 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4302 | MEASURE - CURRENT L3 | CRANE CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 50 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-1202 | MEASURE - VOLTAGE L1-L2 | CRANE VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 51 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-2302 | MEASURE - VOLTAGE L2-L3 | CRANE VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 52 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-3102 | MEASURE - VOLTAGE L3-L1 | CRANE VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 53 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87FRQ-0002 | MEASURE - FREQUENCY | CRANE FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 54 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1602 | MEASURE - APPARENT POWER | CRANE APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 55 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1802 | MEASURE - REAL POWER | CRANE REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 56 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1702 | MEASURE - REACTIVE POWER | CRANE REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 57 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87UI-1902 | MEASURE - POWER FACTOR | CRANE POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 58 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50CI-4101 | MEASURE - CURRENT L1 | WTP CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 59 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50CI-4201 | MEASURE - CURRENT L2 | WTP CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 60 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50CI-4301 | MEASURE - CURRENT L3 | WTP CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 61 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50VI-1201 | MEASURE - VOLTAGE L1-L2 | WTP VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 62 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50VI-2301 | MEASURE - VOLTAGE L2-L3 | WTP VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 63 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50VI-3101 | MEASURE - VOLTAGE L3-L1 | WTP VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 64 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50FRQ-0001 | MEASURE - FREQUENCY | WTP FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 65 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50JI-1601 | MEASURE - APPARENT POWER | WTP APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 66 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50JI-1801 | MEASURE - REAL POWER | WTP REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50JI-1701 | MEASURE - REACTIVE POWER | WTP REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 68 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50UI-1901 | MEASURE - POWER FACTOR | WTP POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 69 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4101 | MEASURE - CURRENT L1 | HVAC PNL HV CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 70 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4201 | MEASURE - CURRENT L2 | HVAC PNL HV CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 71 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4301 | MEASURE - CURRENT L3 | HVAC PNL HV CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 72 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1201 | MEASURE - VOLTAGE L1-L2 | HVAC PNL HV VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 73 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2301 | MEASURE - VOLTAGE L2-L3 | HVAC PNL HV VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 74 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3101 | MEASURE - VOLTAGE L3-L1 | HVAC PNL HV VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 75 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0001 | MEASURE - FREQUENCY | HVAC PNL HV FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 76 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1601 | MEASURE - APPARENT POWER | HVAC PNL HV APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 77 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1801 | MEASURE - REAL POWER | HVAC PNL HV REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 78 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1701 | MEASURE - REACTIVE POWER | HVAC PNL HV REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 79 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1901 | MEASURE - POWER FACTOR | HVAC PNL HV POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 80 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80CI-4101 | MEASURE - CURRENT L1 | FC AUX LD CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 81 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80CI-4201 | MEASURE - CURRENT L2 | FC AUX LD CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 82 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80CI-4301 | MEASURE - CURRENT L3 | FC AUX LD CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 83 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80VI-1201 | MEASURE - VOLTAGE L1-L2 | FC AUX LD VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 84 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80VI-2301 | MEASURE - VOLTAGE L2-L3 | FC AUX LD VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 85 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80VI-3101 | MEASURE - VOLTAGE L3-L1 | FC AUX LD VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 86 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80FRQ-0001 | MEASURE - FREQUENCY | FC AUX LD FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 87 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80JI-1601 | MEASURE - APPARENT POWER | FC AUX LD APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 88 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80JI-1801 | MEASURE - REAL POWER | FC AUX LD REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 89 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80JI-1701 | MEASURE - REACTIVE POWER | FC AUX LD REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 90 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80UI-1901 | MEASURE - POWER FACTOR | FC AUX LD POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 91 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4101 | MEASURE - CURRENT L1 | BESS PCS HV CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 92 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4201 | MEASURE - CURRENT L2 | BESS PCS HV CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 93 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4301 | MEASURE - CURRENT L3 | BESS PCS HV CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 94 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-1201 | MEASURE - VOLTAGE L1-L2 | BESS PCS HV VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 95 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-2301 | MEASURE - VOLTAGE L2-L3 | BESS PCS HV VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 96 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-3101 | MEASURE - VOLTAGE L3-L1 | BESS PCS HV VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 97 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85FRQ-0001 | MEASURE - FREQUENCY | BESS PCS HV FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 98 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1601 | MEASURE - APPARENT POWER | BESS PCS HV APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 99 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1801 | MEASURE - REAL POWER | BESS PCS HV REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 100 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1701 | MEASURE - REACTIVE POWER | BESS PCS HV REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 101 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85UI-1901 | MEASURE - POWER FACTOR | BESS PCS HV POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 102 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4101 | MEASURE - CURRENT L1 | IA 01A CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 103 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4201 | MEASURE - CURRENT L2 | IA 01A CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 104 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4301 | MEASURE - CURRENT L3 | IA 01A CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 105 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-1201 | MEASURE - VOLTAGE L1-L2 | IA 01A VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 106 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-2301 | MEASURE - VOLTAGE L2-L3 | IA 01A VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 107 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-3101 | MEASURE - VOLTAGE L3-L1 | IA 01A VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 108 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63FRQ-0001 | MEASURE - FREQUENCY | IA 01A FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 109 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1601 | MEASURE - APPARENT POWER | IA 01A APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 110 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1801 | MEASURE - REAL POWER | IA 01A REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 111 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1701 | MEASURE - REACTIVE POWER | IA 01A REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 112 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63UI-1901 | MEASURE - POWER FACTOR | IA 01A POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 113 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4102 | MEASURE - CURRENT L1 | HVAC LV RM CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 114 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4202 | MEASURE - CURRENT L2 | HVAC LV RM CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 115 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4302 | MEASURE - CURRENT L3 | HVAC LV RM CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 116 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1202 | MEASURE - VOLTAGE L1-L2 | HVAC LV RM VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 117 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2302 | MEASURE - VOLTAGE L2-L3 | HVAC LV RM VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 118 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3102 | MEASURE - VOLTAGE L3-L1 | HVAC LV RM VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0002 | MEASURE - FREQUENCY | HVAC LV RM FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 120 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1602 | MEASURE - APPARENT POWER | HVAC LV RM APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 121 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1802 | MEASURE - REAL POWER | HVAC LV RM REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 122 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1702 | MEASURE - REACTIVE POWER | HVAC LV RM REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 123 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1902 | MEASURE - POWER FACTOR | HVAC LV RM POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 124 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4103 | MEASURE - CURRENT L1 | HVAC UPS RM CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 125 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4203 | MEASURE - CURRENT L2 | HVAC UPS RM CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 126 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4303 | MEASURE - CURRENT L3 | HVAC UPS RM CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 127 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1203 | MEASURE - VOLTAGE L1-L2 | HVAC UPS RM VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 128 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2303 | MEASURE - VOLTAGE L2-L3 | HVAC UPS RM VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 129 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3103 | MEASURE - VOLTAGE L3-L1 | HVAC UPS RM VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 130 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0003 | MEASURE - FREQUENCY | HVAC UPS RM FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 131 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1603 | MEASURE - APPARENT POWER | HVAC UPS RM APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 132 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1803 | MEASURE - REAL POWER | HVAC UPS RM REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 133 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1703 | MEASURE - REACTIVE POWER | HVAC UPS RM REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 134 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1903 | MEASURE - POWER FACTOR | HVAC UPS RM POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 135 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4104 | MEASURE - CURRENT L1 | HVAC ITER CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 136 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4204 | MEASURE - CURRENT L2 | HVAC ITER CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 137 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CI-4304 | MEASURE - CURRENT L3 | HVAC ITER CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 138 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-1204 | MEASURE - VOLTAGE L1-L2 | HVAC ITER VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 139 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-2304 | MEASURE - VOLTAGE L2-L3 | HVAC ITER VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 140 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77VI-3104 | MEASURE - VOLTAGE L3-L1 | HVAC ITER VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 141 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77FRQ-0004 | MEASURE - FREQUENCY | HVAC ITER FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 142 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1604 | MEASURE - APPARENT POWER | HVAC ITER APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 143 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1804 | MEASURE - REAL POWER | HVAC ITER REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 144 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77JI-1704 | MEASURE - REACTIVE POWER | HVAC ITER REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 145 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77UI-1904 | MEASURE - POWER FACTOR | HVAC ITER POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 146 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4103 | MEASURE - CURRENT L1 | ICCP CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 147 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4203 | MEASURE - CURRENT L2 | ICCP CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 148 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4303 | MEASURE - CURRENT L3 | ICCP CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 149 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-1203 | MEASURE - VOLTAGE L1-L2 | ICCP VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 150 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-2303 | MEASURE - VOLTAGE L2-L3 | ICCP VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 151 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-3103 | MEASURE - VOLTAGE L3-L1 | ICCP VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 152 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87FRQ-0003 | MEASURE - FREQUENCY | ICCP FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 153 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1603 | MEASURE - APPARENT POWER | ICCP APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 154 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1803 | MEASURE - REAL POWER | ICCP REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 155 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1703 | MEASURE - REACTIVE POWER | ICCP REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 156 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87UI-1903 | MEASURE - POWER FACTOR | ICCP POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 157 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4102 | MEASURE - CURRENT L1 | IA 01B CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 158 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4202 | MEASURE - CURRENT L2 | IA 01B CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 159 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CI-4302 | MEASURE - CURRENT L3 | IA 01B CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 160 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-1202 | MEASURE - VOLTAGE L1-L2 | IA 01B VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 161 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-2302 | MEASURE - VOLTAGE L2-L3 | IA 01B VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 162 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63VI-3102 | MEASURE - VOLTAGE L3-L1 | IA 01B VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 163 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63FRQ-0002 | MEASURE - FREQUENCY | IA 01B FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 164 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1602 | MEASURE - APPARENT POWER | IA 01B APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 165 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1802 | MEASURE - REAL POWER | IA 01B REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 166 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63JI-1702 | MEASURE - REACTIVE POWER | IA 01B REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 167 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63UI-1902 | MEASURE - POWER FACTOR | IA 01B POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 168 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4102 | MEASURE - CURRENT L1 | BESS LV1 HV CURRENT L1 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 169 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4202 | MEASURE - CURRENT L2 | BESS LV1 HV CURRENT L2 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 170 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4302 | MEASURE - CURRENT L3 | BESS LV1 HV CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 171 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-1202 | MEASURE - VOLTAGE L1-L2 | BESS LV1 HV VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 172 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-2302 | MEASURE - VOLTAGE L2-L3 | BESS LV1 HV VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 173 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-3102 | MEASURE - VOLTAGE L3-L1 | BESS LV1 HV VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 174 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85FRQ-0002 | MEASURE - FREQUENCY | BESS LV1 HV FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 175 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1602 | MEASURE - APPARENT POWER | BESS LV1 HV APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 176 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1802 | MEASURE - REAL POWER | BESS LV1 HV REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 177 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1702 | MEASURE - REACTIVE POWER | BESS LV1 HV REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 178 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85UI-1902 | MEASURE - POWER FACTOR | BESS LV1 HV POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 179 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4103 | MEASURE - CURRENT L1 | BESS LV2 HV CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 180 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4203 | MEASURE - CURRENT L2 | BESS LV2 HV CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 181 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CI-4303 | MEASURE - CURRENT L3 | BESS LV2 HV CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 182 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-1203 | MEASURE - VOLTAGE L1-L2 | BESS LV2 HV VOL L1L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 183 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-2303 | MEASURE - VOLTAGE L2-L3 | BESS LV2 HV VOL L2L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 184 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85VI-3103 | MEASURE - VOLTAGE L3-L1 | BESS LV2 HV VOL L3L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 185 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85FRQ-0003 | MEASURE - FREQUENCY | BESS LV2 HV FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 186 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1603 | MEASURE - APPARENT POWER | BESS LV2 HV APPARENT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 187 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1803 | MEASURE - REAL POWER | BESS LV2 HV REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 188 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85JI-1703 | MEASURE - REACTIVE POWER | BESS LV2 HV REACTIVE PWR | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 189 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85UI-1903 | MEASURE - POWER FACTOR | BESS LV2 HV POWER FACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 190 | 4 | 100-101 | A | 30100 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4104 | MEASURE - CURRENT L1 | TEMP GEN/BAT CURRENT L1 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 191 | 4 | 102-103 | A | 30102 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4204 | MEASURE - CURRENT L2 | TEMP GEN/BAT CURRENT L2 | 0 | 100 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 192 | 4 | 104-105 | A | 30104 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CI-4304 | MEASURE - CURRENT L3 | TEMP GEN/BAT CURRENT L3 | 0 | 100.0 | A | - | - | - | - | 0 | 65535 | 32 Bit | UINT | REAL | |
| 193 | 4 | 00154 | A | 30154 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-1204 | MEASURE - VOLTAGE L1-L2 | TEMP GEN/BAT VOL L1-L2 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 194 | 4 | 00155 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-2304 | MEASURE - VOLTAGE L2-L3 | TEMP GEN/BAT VOL L2-L3 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 195 | 4 | 00156 | A | 30155 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87VI-3104 | MEASURE - VOLTAGE L3-L1 | TEMP GEN/BAT VOL L3-L1 | 0 | 600.0 | V | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 196 | 4 | 00254 | A | 30254 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87FRQ-0004 | MEASURE - FREQUENCY | TEMP GEN/BAT FREQUENCY | 0 | 60.0 | Hz | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |
| 197 | 4 | 222-223 | A | 30223 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1604 | MEASURE - APPARENT POWER | TEMP GEN/BAT APPARNT PWR | 0 | 999.0 | kVA | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 198 | 4 | 206-207 | A | 30206 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1804 | MEASURE - REAL POWER | TEMP GEN/BAT REAL POWER | 0 | 999.0 | kW | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 199 | 4 | 214-215 | A | 30214 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87JI-1704 | MEASURE - REACTIVE POWER | TEMP GEN/BAT REACT POWER | 0 | 999.0 | kVAR | - | - | - | - | 0 | 65535 | 32 Bit | SINT | REAL | |
| 200 | 4 | 00253 | A | 30253 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87UI-1904 | MEASURE - POWER FACTOR | TEMP GEN/BAT PWRFACTOR | 0 | 1.000 | COSfi | - | - | - | - | 0 | 32767 | 16 Bit | UINT | REAL | |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

## LOW VOLTAGE SWITCH GEAR

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CLC-7201 | DB BOP CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 2 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87OPC-7201 | DB BOP CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 3 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CLC-7202 | CRANE CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 4 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87OPC-7202 | CRANE CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 5 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50CLC-7201 | WTP CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 6 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 50OPC-7201 | WTP CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 7 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CLC-7201 | HVAC PNL HV CN CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 8 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77OPC-7201 | HVAC PNL HV CN OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 9 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80CLC-7201 | FC AUX LD CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 10 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 80OPC-7201 | FC AUX LD CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 11 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CLC-7201 | BESS PCS CAB CN CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 12 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85OPC-7201 | BESS PCS CAB CN OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 13 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CLC-7201 | IA 01A CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 14 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63OPC-7201 | IA 01A CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 15 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CLC-7202 | HVAC LV RM CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 16 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77OPC-7202 | HVAC LV RM CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 17 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CLC-7203 | HVAC UPS RM CN CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 18 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77OPC-7203 | HVAC UPS RM CN OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 19 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77CLC-7204 | HVAC ITER CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 20 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 77OPC-7204 | HVAC ITER CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 21 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87CLC-7203 | ICCP CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 22 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 87OPC-7203 | ICCP CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 23 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63CLC-7202 | IA 01B CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 24 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 63OPC-7202 | IA 01B CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 25 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CLC-7202 | BESS LV1 CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 26 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85OPC-7202 | BESS LV1 CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 27 | 3 | 40016.0 | A | 40016 | 01 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85CLC-7203 | BESS LV2 CONT CLS CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 28 | 3 | 40016.1 | A | 40016 | 02 | miscellaneous USERS (typ LK1-n ÷ LK2-n) | 85OPC-7203 | BESS LV2 CONT OPN CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 29 | 4 | 40256.0 | A | 40016 | 01 | miscellaneous USERS (typ M1-6) | 50HS-001A | SW PMP A STRT CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 30 | 4 | 40257.0 | A | 40016 | 01 | miscellaneous USERS (typ M1-6) | 50HS-005A | SW PMP A STOP CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 31 | 4 | 40256.0 | A | 40016 | 01 | miscellaneous USERS (typ M1-6) | 50HS-001B | SW PMP B STRT CMD | | 1 Bit | BOOL | BOOL | LVSWGR |
| 32 | 4 | 40257.0 | A | 40016 | 01 | miscellaneous USERS (typ M1-6) | 50HS-005B | SW PMP B STOP CMD | | 1 Bit | BOOL | BOOL | LVSWGR |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 2 | B100 | | | | | | | | | | | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 3 | FC3 | 40004 | A | 40004 | HHU-77001-S | 77HHUUS-001 | HHU-77001 Status | HHU-77001 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 4 | FC3 | 40005 | A | 40005 | HHU-77002-S | 77HHUUS-002 | HHU-77002 Status | HHU-77002 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 5 | FC3 | 40006 | A | 40006 | HSS-77001/2/3-S | 77HHUUS-123 | HSS-77001/2/3 Status | HHU-1/2/3 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 6 | FC3 | 40007 | A | 40007 | B100-HSB-001-IT | 77TI-001 | B 100 Internal Temperature | B100 INTERNAL TEMP | 0 | 100 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 7 | FC3 | 40008 | A | 40008 | B100-HSB-001-IP | 77PI-001 | B100 internal pressure | B100 INTERNAL PRESS | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |
| | B200 | | | | | | | | | | | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 8 | FC3 | 40004 | A | 40004 | HHU-77003-S | 77HHUUS-003 | HHU-77003 Status | HHU-77003 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 9 | FC3 | 40005 | A | 40005 | HHU-77004-S | 77HHUUS-004 | HHU-77004 Status | HHU-77004 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 10 | FC3 | 40006 | A | 40006 | HSS-77005/6/7-S | 77HHUUS-567 | HSS-77005/6/7 Status | HHU-5/6/7 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 11 | FC3 | 40007 | A | 40007 | B200-HSB-001-IT | 77TIB200-001 | B 200 Internal Temperature Media | B200 INTERNAL TEMP | 0 | 100 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 12 | FC3 | 40008 | A | 40008 | B200-HSB-001-IP | 77PIB200-001 | B200 internal pressure | B200 INTERNAL PRESS | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |
| | B300 | | | | | | | | | | | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 13 | FC3 | 40006 | A | 40006 | HHU-77005-S | 77HHUUS-005 | HHU-77005 STATUS | HHU-77005 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 14 | FC3 | 40007 | A | 40007 | HHU-77006-S | 77HHUUS-006 | HHU-77006 STATUS | HHU-77006 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 15 | FC3 | 40008 | A | 40008 | HSS-77-007/8/9-S | 77HHUUS-789 | HSS-77-007/8/9 STATUS | HHU-7/8/9 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 16 | FC3 | 40009 | A | 40009 | B300-HSB-001-MT | 77TIB300-001 | B300 Internal Temperture Media | B300 INTERNAL TEMP | 0 | 100 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 17 | FC3 | 40012 | A | 40012 | B300-HSB-001-MP | 77PIB300-001 | B300 Internal Pressure | B300 INTERNAL PRESS | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 18 | FC3 | 40013 | A | 40013 | B300-HSB-001-HFM1P | 77PI1B300-301 | HFM-77-301 Percentual | B300 HF77-301 PERCENTUAL | 0 | 100 | barg | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 19 | FC3 | 40014 | A | 40014 | B300-HSB-001-HFM2P | 77PI2B300-303 | HFM-77-303 Percentual | B300 HF77-303 PERCENTUAL | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |
| | B400 | | | | | | | | | | | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 20 | FC3 | 40006 | A | 40006 | HHU-77007-S | 77HHUUS-007 | HHU-77007 STATUS | HHU-77007 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 21 | FC3 | 40007 | A | 40007 | HHU-77008-S | 77HHUUS-008 | HHU-77008 STATUS | HHU-77008 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 22 | FC3 | 40008 | A | 40008 | HSS-77-0010/11/12-S | 77HHUUS-101112 | HSS-77-0010/11/12 STATUS | HHU-10/11/12 STATUS | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 23 | FC3 | 40009 | A | 40009 | B400-HSB-001-MT | 77TIB400-001 | B400 Internal Temperature Media | B400 INTERNAL TEMP | 0 | 100 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 24 | FC3 | 40012 | A | 40012 | B400-HSB-001-MP | 77PIB400-001 | B400 Internal Pressure | B400 INTERNAL PRESS | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 25 | FC3 | 40013 | A | 40013 | B400-HSB-001-HFM1P | 77PI1B400-401 | HFM-77-401 Percentual | B400 HF77-401 PERCENTUAL | 0 | 100 | DEGC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 26 | FC3 | 40014 | A | 40014 | B400-HSB-001-HFM2P | 77PI2B400-403 | HFM-77-403 Percentual | B400 HF77-403 PERCENTUAL | 0 | 100 | PA | | | | | 0 | 65535 | 16 Bit | UINT | | |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B100 | | | | | | | | | | | | |
| 1 | FC3 | 40001 | A | 40001 | 0 | HFD-77001-ZSH | 77HFDZSH-001 | HFD-77001 NOT OPEN | HFD-77001 NOT OPN | 16 Bit | Bit | Bit | |
| 2 | FC3 | 40001 | | 40001 | 1 | HFD-77001-ZSL | 77HFDZSL-001 | HFD-77001 NOT CLOSE | HFD-77001 NOT CLS | 16 Bit | Bit | Bit | |
| 3 | FC3 | 40001 | | 40001 | 2 | HFD-77002-ZSH | 77HFDZSH-002 | HFD-77002 NOT OPEN | HFD-77002 NOT OPN | 16 Bit | Bit | Bit | |
| 4 | FC3 | 40001 | | 40001 | 3 | HFD-77002-ZSL | 77HFDZSL-002 | HFD-77002 NOT CLOSE | HFD-77002 NOT CLS | 16 Bit | Bit | Bit | |
| 5 | FC3 | 40001 | | 40001 | 4 | HFD-77003-ZSH | 77HFDZSH-003 | HFD-77003 NOT OPEN | HFD-77003 NOT OPN | 16 Bit | Bit | Bit | |
| 6 | FC3 | 40001 | | 40001 | 5 | HFD-77003-ZSL | 77HFDZSL-003 | HFD-77003 NOT CLOSE | HFD-77003 NOT CLS | 16 Bit | Bit | Bit | |
| 7 | FC3 | 40001 | | 40001 | 6 | HDZ-77-101-ZSH | 77HFZZSH-101 | HDZ-77-101 NOT OPEN | HDZ-77-101 NOT OPN | 16 Bit | Bit | Bit | |
| 8 | FC3 | 40001 | | 40001 | 7 | HDZ-77-101-ZSL | 77HDZZSL-101 | HDZ-77-101 NOT CLOSE | HDZ-77-101 NOT CLS | 16 Bit | Bit | Bit | |
| 9 | FC3 | 40001 | | 40001 | 8 | HDZ-77-102-ZSH | 77HFZZSH-102 | HDZ-77-102 NOT OPEN | HDZ-77-102 NOT OPN | 16 Bit | Bit | Bit | |
| 10 | FC3 | 40001 | | 40001 | 9 | HDZ-77-102-ZSL | 77HDZZSL-102 | HDZ-77-102 NOT CLOSE | HDZ-77-102 NOT CLS | 16 Bit | Bit | Bit | |
| 11 | FC3 | 40001 | | 40001 | 10 | HFM-77-101-PTCP | 77HFMPXS-101 | HFM-77-101 PTC Protection | HFM-77-101 PTC PROT | 16 Bit | Bit | Bit | |
| 12 | FC3 | 40001 | | 40001 | 11 | HSS-77-101-TSPH | 77HFM-TSH-101 | TSH/HH-77-101 Electrical heater protection thermostate | TSH/HH-77-101 HTR PROT | 16 Bit | Bit | Bit | |
| 13 | FC3 | 40001 | | 40001 | 12 | HFM-77-101-TRIP | 77HFMXS-101 | HFM-77-101 TRIP SIGNAL | HFM-77-101 TRIP | 16 Bit | Bit | Bit | |
| 14 | FC3 | 40001 | | 40001 | 13 | HFM-77-101-VSDF | 77HFMXA-101 | HFM-77-101 VSD MALFUNCTION | HFM-77-101 VSD MALFCTN | 16 Bit | Bit | Bit | |
| 15 | FC3 | 40001 | | 40001 | 14 | HSS-77-101-TRP | 77HSSXS-101 | HSS-77-101 TRIP | HSS-77-101 TRIP | 16 Bit | Bit | Bit | |
| 16 | FC3 | 40001 | | 40001 | 15 | HSS-77-101-MF | 77HSSXA-101 | HSS-77-101 MODULATION FAULT | HSS-77-101 MODULATN FLT | 16 Bit | Bit | Bit | |
| 17 | FC3 | 40002 | | 40002 | 0 | HHU-77001-ATRP | 77HHUAXS-001 | HHU-77001 AUX TRIP | HHU-77001 AUX TRIP | 16 Bit | Bit | Bit | |
| 18 | FC3 | 40002 | | 40002 | 1 | HHU-77001-MBTRP | 77HHUXS-001 | HHU-77001 MAIN BRAKER TRIP | HHU-77001 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 19 | FC3 | 40002 | | 40002 | 2 | HHU-77001-NF | 77HHUXA-101 | HHU-77001 NO FLOW | HHU-77001 NO FLOW | 16 Bit | Bit | Bit | |
| 20 | FC3 | 40002 | | 40002 | 3 | HFM-77-102-PTCP | 77HFMPXS-102 | HFM-77-102 Ptc Protection | HFM-77-102 PTC PROT | 16 Bit | Bit | Bit | |
| 21 | FC3 | 40002 | | 40002 | 4 | TSH/HH-77-102-TSPH | 77-TSH-102 | TSH/HH-77-102 | TSH/HH-77-102 | 16 Bit | Bit | Bit | |
| 22 | FC3 | 40002 | | 40002 | 5 | HFM-77-102-TRP | 77HFMXS-102 | HFM-77-102 trip | HFM-77-102 TRIP | 16 Bit | Bit | Bit | |
| 23 | FC3 | 40002 | | 40002 | 6 | HFM-77-102-VSDF | 77HFMXA-102 | HFM-77-102 VSD Malfunction | HFM-77-102 VSD MALFCTN | 16 Bit | Bit | Bit | |
| 24 | FC3 | 40002 | | 40002 | 7 | HSS-77-102-TRP | 77HSSXS-102 | HSS-77-102 trip | HSS-77-102 TRIP | 16 Bit | Bit | Bit | |
| 25 | FC3 | 40002 | | 40002 | 8 | HSS-77-102-MF | 77HSSXA-102 | HSS-77-102 Modulation Fault | HSS-77-102 MODULATN FLT | 16 Bit | Bit | Bit | |
| 26 | FC3 | 40002 | | 40002 | 9 | HHU-77002-ATRP | 77HHUAXS-002 | HHU-77002 aux Trip | HHU-77002 AUX TRIP | 16 Bit | Bit | Bit | |
| 27 | FC3 | 40002 | | 40002 | 10 | HHU-77002-MBTRP | 77HHUXS-002 | HHU-77002 Main Braker Trip | HHU-77002 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 28 | FC3 | 40002 | | 40002 | 11 | B100-HSB-001-MBTRP | 77HSBXS-001 | B100-HSB-001 Main Braker Trip | B100-HSB-001 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 29 | FC3 | 40002 | | 40002 | 12 | B100-HSB-001-MLTRP | 77HSBXS-011 | B100-HSB-001 Module LIght Trip | B100HSB001 MOD LITE TRIP | 16 Bit | Bit | Bit | |
| 30 | FC3 | 40002 | | 40002 | 13 | B100-HSB-001-MSTRP | 77HSBXS-111 | B100-HSB-001 Module Socket Trip | B100HSB001 MOD SOKT TRIP | 16 Bit | Bit | Bit | |
| 31 | FC3 | 40002 | | 40002 | 14 | B100-HSB-001-ATRP | 77HSBAXS-001 | B100-HSB-001 AuX Trip | B100-HSB-001 AUX TRIP | 16 Bit | Bit | Bit | |
| 32 | FC3 | 40002 | | 40002 | 15 | HSS-77-001/2/3-SHTRP | 77HSSXS-123 | HSS-77-001/2/3 Space Heater trip | HSS77001/2/3 SPCHTR TRIP | 16 Bit | Bit | Bit | |
| 33 | FC3 | 40003 | | 40003 | 0 | HSS-77-001/2/3-SHF | 77HSSXA-123 | HSS-77-001/2/3 Fault | HSS-77-001/2/3 FLT | 16 Bit | Bit | Bit | |
| 34 | FC3 | 40003 | | 40003 | 1 | 77-TT-101-F | 77TTXA-101 | 77-TT-101 Fault | 77-TT-101 FLT | 16 Bit | Bit | Bit | |
| 35 | FC3 | 40003 | | 40003 | 2 | 77-TT-102-F | 77TTXA-02 | 77-TT-102 Fault | 77-TT-102 FLT | 16 Bit | Bit | Bit | |
| 36 | FC3 | 40003 | | 40003 | 3 | 77-TT-103-F | 77TTXA-103 | 77-TT-103 Fault | 77-TT-103 FLT | 16 Bit | Bit | Bit | |
| 37 | FC3 | 40003 | | 40003 | 4 | 77-TT-104-F | 77TTXA-104 | 77-TT-104 Fault | 77-TT-104 FLT | 16 Bit | Bit | Bit | |
| 38 | FC3 | 40003 | | 40003 | 5 | 77-PT-101-F | 77PTXA-101 | 77-PT-101 Fault | 77-PT-101 FLT | 16 Bit | Bit | Bit | |
| 39 | FC3 | 40003 | | 40003 | 6 | B100-HSB-001-MJF | 77HSBXA-001 | Major Fault | MAJOR FLT | 16 Bit | Bit | Bit | |
| 40 | FC3 | 40003 | | 40003 | 7 | B100-HSB-001-LP | 77HSB-LP-001 | Module Low Pressure | MODULE LOW PRESS | 16 Bit | Bit | Bit | |
| 41 | FC3 | 40003 | | 40003 | 8 | B100-HSB-001-MODBUSF | 77HSBXA-011 | ModBUS Fault | MODBUS FLT | 16 Bit | Bit | Bit | |
| 42 | FC3 | 40003 | | 40003 | 14 | B100-HSB-001-MSE | 77HSBXA-111 | ModBus Server Error | MODBUS SERVER ERROR | 16 Bit | Bit | Bit | |
| | B200 | | | | | | xx | | | 16 Bit | Bit | Bit | |
| 43 | FC3 | 40001 | | 40001 | 0 | HFD-77004-ZSH | 77HFDZSH-004 | HFD-77004 NOT OPEN | HFD-77004 NOT OPN | 16 Bit | Bit | Bit | |
| 44 | FC3 | 40001 | | 40001 | 1 | HFD-77004-ZSL | 77HFDZSL-004 | HFD-77004 NOT CLOSE | HFD-77004 NOT CLS | 16 Bit | Bit | Bit | |
| 45 | FC3 | 40001 | | 40001 | 2 | HFD-77-005-ZSH | 77HFDZSH-005 | HFD-77005 NOT OPEN | HFD-77005 NOT OPN | 16 Bit | Bit | Bit | |
| 46 | FC3 | 40001 | | 40001 | 3 | HFD-77-005-ZSL | 77HFDZSL-005 | HFD-77005 NOT CLOSE | HFD-77005 NOT CLS | 16 Bit | Bit | Bit | |
| 47 | FC3 | 40001 | | 40001 | 4 | HFD-77-006-ZSH | 77HFDZSH-006 | HFD-77006 NOT OPEN | HFD-77006 NOT OPN | 16 Bit | Bit | Bit | |
| 48 | FC3 | 40001 | | 40001 | 5 | HFD-77-006-ZSL | 77HFDZSL-006 | HFD-77006 NOT CLOSE | HFD-77006 NOT CLS | 16 Bit | Bit | Bit | |
| 49 | FC3 | 40001 | | 40001 | 6 | HDZ-77-201-ZSH | 77HFZZSH-201 | HDZ-77-201 NOT OPEN | HDZ-77-201 NOT OPN | 16 Bit | Bit | Bit | |
| 50 | FC3 | 40001 | | 40001 | 7 | HDZ-77-201-ZSL | 77HDZZSL-201 | HDZ-77-201 NOT CLOSE | HDZ-77-201 NOT CLS | 16 Bit | Bit | Bit | |
| 51 | FC3 | 40001 | | 40001 | 8 | HDZ-77-202-ZSH | 77HFZZSH-202 | HDZ-77-202 NOT OPEN | HDZ-77-202 NOT OPN | 16 Bit | Bit | Bit | |
| 52 | FC3 | 40001 | | 40001 | 9 | HDZ-77-202-ZSL | 77HDZZSL-202 | HDZ-77-202 NOT CLOSE | HDZ-77-202 NOT CLS | 16 Bit | Bit | Bit | |
| 53 | FC3 | 40001 | | 40001 | 10 | HFM-77-201-PTCP | 77HFMPXS-201 | HFM-77-201 PTC Protection | HFM-77-201 PTC PROT | 16 Bit | Bit | Bit | |
| 54 | FC3 | 40001 | | 40001 | 11 | TSH/HH-77-201-TSPH | 77HFM-TSH-201 | TSH/HH-77-201 Electrical heater Protection thermostate | TSH/HH-77-201 HTR PROT | 16 Bit | Bit | Bit | |
| 55 | FC3 | 40001 | | 40001 | 12 | HFM-77-201-TRIP | 77HFMXS-201 | HFM-77-201 TRIP SIGNAL | HFM-77-201 TRIP | 16 Bit | Bit | Bit | |
| 56 | FC3 | 40001 | | 40001 | 13 | HFM-77-201-VSDF | 77HFMXA-201 | HFM-77-201 VSD MALFUNCTION | HFM-77-201 VSD MALFCTN | 16 Bit | Bit | Bit | |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | FC3 | 40001 | | 40001 | 14 | HSS-77-201-TRP | 77HSSXS-201 | HSS-77-201 TRIP | HSS-77-201 TRIP | 16 Bit | Bit | Bit | |
| 58 | FC3 | 40001 | | 40001 | 15 | HSS-77-201-MF | 77HSSXA-201 | HSS-77-201 MODULATION FAULT | HSS-77-201 MODULATN FLT | 16 Bit | Bit | Bit | |
| 59 | FC3 | 40002 | | 40002 | 0 | HHU-77003-ATRP | 77HHUAXS-003 | HHU-77003 AUX TRIP | HHU-77001 AUX TRIP | 16 Bit | Bit | Bit | |
| 60 | FC3 | 40002 | | 40002 | 1 | HHU-77003-MBTRP | 77HHUXS-003 | HHU-77003 MAIN BRAKER TRIP | HHU-77001 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 61 | FC3 | 40002 | | 40002 | 2 | HHU-77003-NF | 77HHUXA-201 | HHU-77003 NO FLOW | HHU-77001 NO FLOW | 16 Bit | Bit | Bit | |
| 62 | FC3 | 40002 | | 40002 | 3 | HFM-77-202-PTCP | 77HFMPXS-202 | HFM-77-202 Ptc Protection | HFM-77-102 PTC PROT | 16 Bit | Bit | Bit | |
| 63 | FC3 | 40002 | | 40002 | 4 | TSH/HH-77-202-TSPH | 77-TSH-202 | TSH/HH-77-202 | TSH/HH-77-102 | 16 Bit | Bit | Bit | |
| 64 | FC3 | 40002 | | 40002 | 5 | HFM-77-202-TRP | 77HFMXS-202 | HFM-77-202 trip | HFM-77-102 TRIP | 16 Bit | Bit | Bit | |
| 65 | FC3 | 40002 | | 40002 | 6 | HFM-77-202-VSDF | 77HFMXA-202 | HFM-77-202 VSD Malfunction | HFM-77-102 VSD MALFCTN | 16 Bit | Bit | Bit | |
| 66 | FC3 | 40002 | | 40002 | 7 | HSS-77-202-TRP | 77HSSXS-202 | HSS-77-202 trip | HSS-77-102 TRIP | 16 Bit | Bit | Bit | |
| 67 | FC3 | 40002 | | 40002 | 8 | HSS-77-202-MF | 77HSSXA-202 | HSS-77-202 Modulation Fault | HSS-77-102 MODULATN FLT | 16 Bit | Bit | Bit | |
| 68 | FC3 | 40002 | | 40002 | 9 | HHU-77004-ATRP | 77HHUAXS-004 | HHU-77004 aux Trip | HHU-77002 AUX TRIP | 16 Bit | Bit | Bit | |
| 69 | FC3 | 40002 | | 40002 | 10 | HHU-77004-MBTRP | 77HHUXS-004 | HHU-77004 Main Braker Trip | HHU-77002 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 70 | FC3 | 40002 | | 40002 | 11 | B200-HSB-001-MBTRP | 77HSBXS-002 | B200-HSB-001 Main Braker Trip | B200-HSB-001 MN BRK TRIP | 16 Bit | Bit | Bit | |
| 71 | FC3 | 40002 | | 40002 | 12 | B200-HSB-001-MLTRP | 77HSBXS-022 | B200-HSB-001 Module LIght Trip | B200HSB001 MOD LITE TRIP | 16 Bit | Bit | Bit | |
| 72 | FC3 | 40002 | | 40002 | 13 | B200-HSB-001-MSTRP | 77HSBXS-222 | B200-HSB-001 Module Socket Trip | B200HSB001 MOD SOKT TRIP | 16 Bit | Bit | Bit | |
| 73 | FC3 | 40002 | | 40002 | 14 | B200-HSB-001-ATRP | 77B2HSBAXS-001 | B200-HSB-001 Aux Trip | B200-HSB-001 AUX TRIP | 16 Bit | Bit | Bit | |
| 74 | FC3 | 40002 | | 40002 | 15 | B200-HSB-001-SHTRP | 77B2HSSXS-456 | B200-HSB-001 Space Heater trip | HSS77004/5/6 SPCHTR TRIP | 16 Bit | Bit | Bit | |
| 76 | FC3 | 40003 | | 40003 | 0 | HSS-77-004/5/6-SHF | 77HSSXA-456 | HSS-77-004/5/6 Fault | HSS-77-004/5/6 FLT | 16 Bit | Bit | Bit | |
| 77 | FC3 | 40003 | | 40003 | 1 | 77-TT-201-F | 77TTXA-201 | 77-TT-201 Fault | 77-TT-101 FLT | 16 Bit | Bit | Bit | |
| 78 | FC3 | 40003 | | 40003 | 2 | 77-TT-202-F | 77TTXA-202 | 77-TT-202 Fault | 77-TT-102 FLT | 16 Bit | Bit | Bit | |
| 79 | FC3 | 40003 | | 40003 | 3 | 77-TT-203-F | 77TTXA-203 | 77-TT-203 Fault | 77-TT-103 FLT | 16 Bit | Bit | Bit | |
| 80 | FC3 | 40003 | | 40003 | 4 | 77-TT-201-F | 77TTXA-204 | 77-TT-204 Fault | 77-TT-104 FLT | 16 Bit | Bit | Bit | |
| 81 | FC3 | 40003 | | 40003 | 5 | 77-PT-201-F | 77PTXA-201 | 77-PT-201 Fault | 77-PT-101 FLT | 16 Bit | Bit | Bit | |
| 82 | FC3 | 40003 | | 40003 | 6 | B200-HSB-001-MJF | 77B2HSBXA-001 | MajorFault | MAJOR FLT | 16 Bit | Bit | Bit | |
| 83 | FC3 | 40003 | | 40003 | 7 | B200-HSB-001-MLP | 77HSB-LP-002 | Module Low Pressure | MODULE LOW PRESS | 16 Bit | Bit | Bit | |
| 84 | FC3 | 40003 | | 40003 | 8 | B200-HSB-001-MODBUSF | 77HSBXA-022 | ModBUS Fault | MODBUS FLT | 16 Bit | Bit | Bit | |
| 85 | FC3 | 40003 | | 40003 | 14 | B200-HSB-001-MSE | 77HSBXA-222 | ModBus Server Error | MODBUS SERVER ERROR | 16 Bit | Bit | Bit | |
| | B300 | | | | | | xx | | | 16 Bit | Bit | Bit | |
| 86 | FC3 | 40001 | | 40001 | 0 | SPARE | SPARE | SPARE | | 16 Bit | Bit | Bit | |
| 87 | FC3 | 40001 | | 40001 | 1 | B300-HSB-001-MBTRP | 77B3HSBXS-001 | B300-HSB-100 Main Braker Trip | B300-HSB-001 MN BKR TRP | 16 Bit | Bit | Bit | |
| 88 | FC3 | 40001 | | 40001 | 2 | B300-HSB-001-PEB | 77B3PEB-001 | B300-HSB-100 Panel emergency Button | B300-HSB-001 PL EM BTN | 16 Bit | Bit | Bit | |
| 89 | FC3 | 40001 | | 40001 | 3 | B300-HSB-001-MLTRP | 77HSBXS-033 | B300-HSB-100 Module Light Trip | B300-HSB-001 MOD LTE TRP | 16 Bit | Bit | Bit | |
| 90 | FC3 | 40001 | | 40001 | 4 | B300-HSB-001-MSTRP | 77HSBXS-333 | B300-HSB-100 Module Socket Trip | B300-HSB-001 MOD SKT TRP | 16 Bit | Bit | Bit | |
| 91 | FC3 | 40001 | | 40001 | 5 | HSS-77-007/8/9-TRP | 77HSSXS-789 | HSS-77-007/8/9 Space Heater Trip | HSS-77-007/8/9 HTR TRP | 16 Bit | Bit | Bit | |
| 92 | FC3 | 40001 | | 40001 | 6 | B300-HSB-001-ATRP | 77B3HSBAXS-001 | B300-HSB-100 Main Panel Aux Section Trip | B300-HSB-001 AUX SEC TRP | 16 Bit | Bit | Bit | |
| 93 | FC3 | 40001 | | 40001 | 7 | HSS-77-007/8/9-F | 77B3UXA-789 | HSS-77-007/8/9 Space Heater Fault | HSS-77-007/8/9 HTR FLT | 16 Bit | Bit | Bit | |
| 94 | FC3 | 40001 | | 40001 | 8 | HHU-77005-PFFC | 77PFFC-005 | HHU-77005 Press Fan Filter Clogged | HHU-77005 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 95 | FC3 | 40001 | | 40001 | 9 | HHU-77005-MDF | 77MDF-005 | HHU-77005 motorised dampers Fault | HHU-77005 MOT DMP FLT | 16 Bit | Bit | Bit | |
| 96 | FC3 | 40001 | | 40001 | 10 | HFM-77-301-PTCP | 77PTCP-301 | HHU-77005 press fan PTC protection | HFM-77-301 PTC PRTN | 16 Bit | Bit | Bit | |
| 97 | FC3 | 40001 | | 40001 | 11 | HFM-77-301-VSDF | 77VSDF-301 | HHU-77005 press fan VSD fault | HFM-77-301 VSD FLT | 16 Bit | Bit | Bit | |
| 98 | FC3 | 40001 | | 40001 | 12 | HFM-77-301-TRP | 77PFTRP-301 | HHU-77005 press fan trip | HFM-77-301 PRS FN TRP | 16 Bit | Bit | Bit | |
| 99 | FC3 | 40001 | | 40001 | 13 | HFM-77-302-BBA | 77BBA-302 | HHU-77005 broken belt alarm | HFM-77-302 BRK BELT ALM | 16 Bit | Bit | Bit | |
| 100 | FC3 | 40001 | | 40001 | 14 | HFM-77-302-TRP | 77SFTRP-302 | HHU-77005 supply fan trip | HFM-77-302 FN TRP | 16 Bit | Bit | Bit | |
| 101 | FC3 | 40001 | | 40001 | 15 | HCO-77-301-TRP | 77CTRP-301 | HHU-77005 compressor trip | HCO-77-301 CMP TRP | 16 Bit | Bit | Bit | |
| 102 | FC3 | 40002 | | 40002 | 0 | HCO-77-301-HPA | 77HPA-301 | HHU-77005 high pressure alarm | HCO-77-301 HP ALM | 16 Bit | Bit | Bit | |
| 103 | FC3 | 40002 | | 40002 | 1 | HCO-77-301-LPA | 77LPA-301 | HHU-77005 low pressure alarm | HCO-77-301 LP ALM | 16 Bit | Bit | Bit | |
| 104 | FC3 | 40002 | | 40002 | 2 | HFM-77-305306-TRP | 77CFTRP-305306 | HHU-77005 condenser fan trip | HFM77-305/306 CND FN TRP | 16 Bit | Bit | Bit | |
| 105 | FC3 | 40002 | | 40002 | 3 | HFM-77-305306-VSDF | 77VSDF-305306 | HHU-77005 condenser fan VSD fault | HFM77-305/306 FN VSD FLT | 16 Bit | Bit | Bit | |
| 106 | FC3 | 40002 | | 40002 | 4 | HSS-77-301-TSPH | 77TSPH-301 | HHU-77005 electrical heater Protection thermostate | HSS-77-301 THR PTR | 16 Bit | Bit | Bit | |
| 107 | FC3 | 40002 | | 40002 | 5 | HSS-77-301-TRP | 77EHTRP-301 | HHU-77005 electrical heater trip | HSS-77-301 HTR TRP | 16 Bit | Bit | Bit | |
| 108 | FC3 | 40002 | | 40002 | 6 | HSS-77-301-MF | 77EHMF-301 | HHU-77005 electrical heater modulation fault | HSS-77-301 HTR MDLTN FLT | 16 Bit | Bit | Bit | |
| 109 | FC3 | 40002 | | 40002 | 7 | SPARE | SPARE | Spare | | 16 Bit | Bit | Bit | |
| 110 | FC3 | 40002 | | 40002 | 8 | HHU-77005-MBTRP | 77MBTRP-005 | HHU-77005 main braker trip | HHU-77005 MN BKR TRP | 16 Bit | Bit | Bit | |
| 111 | FC3 | 40002 | | 40002 | 9 | HHU-77005-PFFC | 77FC-005 | HHU-77005 filter clogged | HHU-77005 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 112 | FC3 | 40002 | | 40002 | 10 | HHU-77006-MDF | 77MDF-006 | HHU-77006 motorise dampers fault | HHU-77006 MOT DMP FLT | 16 Bit | Bit | Bit | |
| 113 | FC3 | 40002 | | 40002 | 11 | HFM-77-303-PTCP | 77PTCP-303 | HHU-77006 press fan PTC protection | HFM-77-303 PTC PRTN | 16 Bit | Bit | Bit | |
| 114 | FC3 | 40002 | | 40002 | 12 | HFM-77-303-VSDF | 77VSDF-303 | HHU-77006 press fan VSD fault | HFM-77-303 VSD FLT | 16 Bit | Bit | Bit | |
| 115 | FC3 | 40002 | | 40002 | 13 | HFM-77-303-TRP | 77PFTRP-303 | HHU-77006 press fan trip | HFM-77-303 PRS FN TRP | 16 Bit | Bit | Bit | |
| 116 | FC3 | 40002 | | 40002 | 14 | HFM-77-304-BBA | 77BBA-304 | HHU-77006 broken belt alarm | HFM-77-304 BRK BELT ALM | 16 Bit | Bit | Bit | |
| 117 | FC3 | 40002 | | 40002 | 15 | HFM-77-304-TRP | 77SFTRP-304 | HHU-77006 supply fan trip | HFM-77-304 FN TRP | 16 Bit | Bit | Bit | |
| 118 | FC3 | 40003 | | 40003 | 0 | HCO-77-302-TRP | 77CTRP-302 | HHU-77006 compressor trip | HCO-77-302 CMP TRP | 16 Bit | Bit | Bit | |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | FC3 | 40003 | | 40003 | 1 | HCO-77-302-HPA | 77HPA-302 | HHU-77006 high pressure alarm | HCO-77-302 HP ALM | 16 Bit | Bit | Bit | |
| 120 | FC3 | 40003 | | 40003 | 2 | HCO-77-302-LPA | 77LPA-302 | HHU-77006 low pressure alarm | HCO-77-302 LP ALM | 16 Bit | Bit | Bit | |
| 121 | FC3 | 40003 | | 40003 | 3 | HFM-77-307/308-TRP | 77CFTRP-307308 | HHU-77006 condenser fan trip | HFM77-307/308 CND FN TRP | 16 Bit | Bit | Bit | |
| 122 | FC3 | 40003 | | 40003 | 4 | HFM-77-307/308-VSDF | 77VSDF-307308 | HHU-77006 condenser fan VSD fault | HFM77-307/308 FN VSD FLT | 16 Bit | Bit | Bit | |
| 123 | FC3 | 40003 | | 40003 | 5 | HHU-77006-FC | 77FC-006 | HHU-77006 filter clogged | HHU-77006 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 124 | FC3 | 40003 | | 40003 | 6 | HSS-77-305-TSPH | 77TSPH-305 | HHU-77006 electrical heater Protection termostate | HSS-77-305 THR PTR | 16 Bit | Bit | Bit | |
| 125 | FC3 | 40003 | | 40003 | 7 | HSS-77-305-TRP | 77EHTRP-305 | HHU-77006 electrical heater trip | HSS-77-305 HTR TRP | 16 Bit | Bit | Bit | |
| 126 | FC3 | 40003 | | 40003 | 8 | HSS-77-305-MF | 77EHMF-305 | HHU-77006 electrical heater modulation fault | HSS77-305 HTR MODLTN FLT | 16 Bit | Bit | Bit | |
| 127 | FC3 | 40003 | | 40003 | 9 | SPARE | SPARE | Spare | | 16 Bit | Bit | Bit | |
| 128 | FC3 | 40003 | | 40003 | 10 | HHU-77006-MBTRP | 77MBTRP-006 | HHU-77006 main braker open | HHU-77006 MN BRK TRP | 16 Bit | Bit | Bit | |
| 129 | FC3 | 40003 | | 40003 | 11 | HFD-77007-ZSL | 77HFDZSL-007 | HFD-77007 Not Close | HFD-77007 NOT CLS | 16 Bit | Bit | Bit | |
| 130 | FC3 | 40003 | | 40003 | 12 | HFD-77007-ZSH | 77HFDZSH-007 | HFD-77007 Not Open | HFD-77007 NOT OPN | 16 Bit | Bit | Bit | |
| 131 | FC3 | 40003 | | 40003 | 13 | HFD-77008-ZSL | 77HFDZSL-008 | HFD-77008 Not Close | HFD-77008 NOT CLS | 16 Bit | Bit | Bit | |
| 132 | FC3 | 40003 | | 40003 | 14 | HFD-77008-ZSH | 77HFDZSH-008 | HFD-77008 Not Open | HFD-77008 NOT OPN | 16 Bit | Bit | Bit | |
| 133 | FC3 | 40003 | | 40003 | 15 | HFD-77009-ZSL | 77HFDZSL-009 | HFD-77009 Not Close | HFD-77009 NOT CLS | 16 Bit | Bit | Bit | |
| 134 | FC3 | 40004 | | 40004 | 0 | HFD-77009-ZSH | 77HFDZSH-009 | HFD-77009 Not Open | HFD-77009 NOT OPN | 16 Bit | Bit | Bit | |
| 135 | FC3 | 40004 | | 40004 | 1 | B300-HSB-001-MSE | 77HSBXA-333 | Modbus Server Error | B300 - MOD SERVER ERROR | 16 Bit | Bit | Bit | |
| 136 | FC3 | 40004 | | 40004 | 2 | B300-HSB-001-MODBUSF | 77HSBXA-033 | ModbusFault | B300-MODBUS FLT | 16 Bit | Bit | Bit | |
| 137 | FC3 | 40004 | | 40004 | 3 | HHU-77006-PFFC | 77PFFC-006 | HHU-77006 press fan filter clogged | HHU-77006 FN FTR CLOGGED | 16 Bit | Bit | Bit | |
| 138 | FC3 | 40004 | | 40004 | 4 | HFD-77010-ZSL | 77HFDZSL-010 | HFD-77010 Not Close | HFD-77010 NOT CLS | 16 Bit | Bit | Bit | |
| 139 | FC3 | 40004 | | 40004 | 5 | HFD-77010-ZSH | 77HFDZSH-010 | HFD-77010 Not Open | HFD-77010 NOT OPN | 16 Bit | Bit | Bit | |
| 140 | FC3 | 40004 | | 40004 | 6 | HFD-77011-ZSL | 77HFDZSL-011 | HFD-77011 Not Close | HFD-77011 NOT CLS | 16 Bit | Bit | Bit | |
| 141 | FC3 | 40004 | | 40004 | 7 | HFD-77011-ZSH | 77HFDZSH-011 | HFD-77011 Not Open | HFD-77011 NOT OPN | 16 Bit | Bit | Bit | |
| 142 | FC3 | 40004 | | 40004 | 8 | 77-TT-301-F | 77TTXA-301 | 77-TT-301 Fault | 77-TT-301 FLT | 16 Bit | Bit | Bit | |
| 143 | FC3 | 40004 | | 40004 | 9 | 77-TT-302-F | 77TTXA-302 | 77-TT-302 Fault | 77-TT-302 FLT | 16 Bit | Bit | Bit | |
| 144 | FC3 | 40004 | | 40004 | 10 | 77-TT-303-F | 77TTXA-303 | 77-TT-303 Fault | 77-TT-303 FLT | 16 Bit | Bit | Bit | |
| 145 | FC3 | 40004 | | 40004 | 11 | 77-TT-304-F | 77TTXA-304 | 77-TT-304 Fault | 77-TT-304 FLT | 16 Bit | Bit | Bit | |
| 146 | FC3 | 40004 | | 40004 | 12 | 77-PT-301-F | 77PTXA-301 | 77-PT-301 Fault | 77-PT-301 FLT | 16 Bit | Bit | Bit | |
| 147 | FC3 | 40005 | | 40005 | 9 | B300-HSB-001-MF | B300SMF-001 | HVAC System Major Fault | MODBUS MAJOR FAULT | 16 Bit | Bit | Bit | |
| | B400 | | | | | | xx | | | 16 Bit | Bit | Bit | |
| 148 | FC3 | 40001 | | 40001 | 0 | SPARE | SPARE | SPARE | | 16 Bit | Bit | Bit | |
| 149 | FC3 | 40001 | | 40001 | 1 | B400-HSB-001-MBT | 77B4HSBXS-001 | B400-HSB-100 Main Braker Trip | B400-HSB-001 MN BKR TRP | 16 Bit | Bit | Bit | |
| 150 | FC3 | 40001 | | 40001 | 2 | B400-HSB-001-PEB | 77B4PEB-001 | B400-HSB-100 Panel emergency Button | B400-HSB-001 PL EM BTN | 16 Bit | Bit | Bit | |
| 151 | FC3 | 40001 | | 40001 | 3 | B400-HSB-001-MLT | 77HSBXS-044 | B400-HSB-100 Module Light Trip | B400-HSB-001 MOD LTE TRP | 16 Bit | Bit | Bit | |
| 152 | FC3 | 40001 | | 40001 | 4 | B400-HSB-001-MST | 77HSBXS-444 | B400-HSB-100 Module Socket Trip | B400-HSB-001 MOD SKT TRP | 16 Bit | Bit | Bit | |
| 153 | FC3 | 40001 | | 40001 | 5 | HSS-77-0010/11/12-TRP | 77HSSXS-101112 | HSS-77-0010/11/12 Space Heater Trip | HSS77-0010/11/12 HTR TRP | 16 Bit | Bit | Bit | |
| 154 | FC3 | 40001 | | 40001 | 6 | B400-HSB-001-ATRP | 77B4HSBAXS-001 | B400-HSB-100 Main Panel Aux Section Trip | B400-HSB-001 AUX SEC TRP | 16 Bit | Bit | Bit | |
| 155 | FC3 | 40001 | | 40001 | 7 | HSS-77-0010/11/12-F | 77B3UXA-101112 | HSS-77-0010/11/12 Space Heater Fault | HSS77-0010/11/12 HTR FLT | 16 Bit | Bit | Bit | |
| 156 | FC3 | 40001 | | 40001 | 8 | HHU-77007-PFFC | 77PFFC-007 | HHU-77007 Press Fan Filter Clogged | HHU-77007 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 157 | FC3 | 40001 | | 40001 | 9 | HHU-77007-MDF | 77MDF-007 | HHU-77007 motorised dampers Fault | HHU-77007 MOT DMP FLT | 16 Bit | Bit | Bit | |
| 158 | FC3 | 40001 | | 40001 | 10 | HFM-77-401-PTCP | 77PTCP-401 | HHU-77007 press fan PTC protection | HFM-77-401 PTC PRTN | 16 Bit | Bit | Bit | |
| 159 | FC3 | 40001 | | 40001 | 11 | HFM-77-401-VSDF | 77VSDF-401 | HHU-77007 press fan VSD fault | HFM-77-401 VSD FLT | 16 Bit | Bit | Bit | |
| 160 | FC3 | 40001 | | 40001 | 12 | HFM-77-401-TRP | 77PFTRP-401 | HHU-77007 press fan trip | HFM-77-401 PRS FN TRP | 16 Bit | Bit | Bit | |
| 161 | FC3 | 40001 | | 40001 | 13 | HFM-77-402-BBA | 77BBA-402 | HHU-77007 broken belt alarm | HFM-77-402 BRK BELT ALM | 16 Bit | Bit | Bit | |
| 162 | FC3 | 40001 | | 40001 | 14 | HFM-77-402-TRP | 77SFTRP-402 | HHU-77007 supply fan trip | HFM-77-402 FN TRP | 16 Bit | Bit | Bit | |
| 163 | FC3 | 40001 | | 40001 | 15 | HCO-77-401-TRP | 77CTRP-401 | HHU-77007 compressor trip | HCO-77-401 CMP TRP | 16 Bit | Bit | Bit | |
| 164 | FC3 | 40002 | | 40002 | 0 | HCO-77-401-HPA | 77HPA-401 | HHU-77007 high pressure alarm | HCO-77-401 HP ALM | 16 Bit | Bit | Bit | |
| 165 | FC3 | 40002 | | 40002 | 1 | HCO-77-401-LPA | 77LPA-401 | HHU-77007 low pressure alarm | HCO-77-401 LP ALM | 16 Bit | Bit | Bit | |
| 166 | FC3 | 40002 | | 40002 | 2 | HFM-77-405/406-TRP | 77CFTRP-405406 | HHU-77007 condenser fan trip | HFM77-405/406 CND FN TRP | 16 Bit | Bit | Bit | |
| 167 | FC3 | 40002 | | 40002 | 3 | HFM-77-405/406-VSDF | 77VSDF-405406 | HHU-77007 condenser fan VSD fault | HFM77-405/406 FN VSD FLT | 16 Bit | Bit | Bit | |
| 168 | FC3 | 40002 | | 40002 | 4 | HSS-77-401-TSPH | 77TSPH-401 | HHU-77007 electrical heater Protection thermostate | HSS-77-401 THR PTR | 16 Bit | Bit | Bit | |
| 169 | FC3 | 40002 | | 40002 | 5 | HSS-77-401-TRP | 77EHTRP-401 | HHU-77007 electrical heater trip | HSS-77-401 HTR TRP | 16 Bit | Bit | Bit | |
| 170 | FC3 | 40002 | | 40002 | 6 | HSS-77-401-MF | 77EHMF-401 | HHU-77007 electrical heater modulation fault | HSS77-401 HTR MODLTN FLT | 16 Bit | Bit | Bit | |
| 171 | FC3 | 40002 | | 40002 | 7 | SPARE | SPARE | Spare | | 16 Bit | Bit | Bit | |
| 172 | FC3 | 40002 | | 40002 | 8 | HHU-77007-MBT | 77MBTRP-007 | HHU-77007 main braker open | HHU-77007 MN BKR TRP | 16 Bit | Bit | Bit | |
| 173 | FC3 | 40002 | | 40002 | 9 | HHU-77007-FC | 77FC-007 | HHU-77007 filter clogged | HHU-77007 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 174 | FC3 | 40002 | | 40002 | 10 | HHU-77008-MDF | 77MDF-008 | HHU-77008 motorise dampers fault | HHU-77008 MOT DMP FLT | 16 Bit | Bit | Bit | |
| 175 | FC3 | 40002 | | 40002 | 11 | HFM-77-403-PTCP | 77PTCP-403 | HHU-77008 press fan PTC protection | HFM-77-403 PTC PRTN | 16 Bit | Bit | Bit | |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 176 | FC3 | 40002 | | 40002 | 12 | HFM-77-403-VSDF | 77VSDF-403 | HHU-77008 press fan VSD fault | HFM-77-403 VSD FLT | 16 Bit | Bit | Bit | |
| 177 | FC3 | 40002 | | 40002 | 13 | HFM-77-403-TRP | 77PFTRP-403 | HHU-77008 press fan trip | HFM-77-403 PRS FN TRP | 16 Bit | Bit | Bit | |
| 178 | FC3 | 40002 | | 40002 | 14 | HFM-77-404-BBA | 77BBA-404 | HHU-77008 broken belt alarm | HFM-77-404 BRK BELT ALM | 16 Bit | Bit | Bit | |
| 179 | FC3 | 40002 | | 40002 | 15 | HFM-77-404-TRP | 77SFTRP-404 | HHU-77008 supply fan trip | HFM-77-404 FN TRP | 16 Bit | Bit | Bit | |
| 180 | FC3 | 40003 | | 40003 | 0 | HCO-77-402-TRP | 77CTRP-402 | HHU-77008 compressor trip | HCO-77-402 CMP TRP | 16 Bit | Bit | Bit | |
| 181 | FC3 | 40003 | | 40003 | 1 | HCO-77-402-HPA | 77HPA-402 | HHU-77008 high pressure alarm | HCO-77-402 HP ALM | 16 Bit | Bit | Bit | |
| 182 | FC3 | 40003 | | 40003 | 2 | HCO-77-402-LPA | 77LPA-402 | HHU-77008 low pressure alarm | HCO-77-402 LP ALM | 16 Bit | Bit | Bit | |
| 183 | FC3 | 40003 | | 40003 | 3 | HFM-77-405/406-TRP | 77B4CFTRP-405406 | HHU-77008 condenser fan trip | HFM77-405/406 CND FN TRP | 16 Bit | Bit | Bit | |
| 184 | FC3 | 40003 | | 40003 | 4 | HFM-77-405/406-VSDF | 77B4VSDF-405406 | HHU-77008 condenser fan VSD fault | HFM77-405/406 FN VSD FLT | 16 Bit | Bit | Bit | |
| 185 | FC3 | 40003 | | 40003 | 5 | HHU-77008-FC | 77FC-008 | HHU-77008 filter clogged | HHU-77008 FLTR CLOGGED | 16 Bit | Bit | Bit | |
| 186 | FC3 | 40003 | | 40003 | 6 | HSS-77-405-TSPH | 77TSPH-405 | HHU-77008 electrical heater Protection termostate | HSS-77-405 THR PTR | 16 Bit | Bit | Bit | |
| 187 | FC3 | 40003 | | 40003 | 7 | HSS-77-405-TRP | 77EHTRP-405 | HHU-77008 electrical heater trip | HSS-77-405 HTR TRP | 16 Bit | Bit | Bit | |
| 188 | FC3 | 40003 | | 40003 | 8 | HSS-77-405-MF | 77EHMF-405 | HHU-77008 electrical heater modulation fault | HSS77-405 HTR MODLTN FLT | 16 Bit | Bit | Bit | |
| 189 | FC3 | 40003 | | 40003 | 9 | SPARE | SPARE | Spare | | 16 Bit | Bit | Bit | |
| 190 | FC3 | 40003 | | 40003 | 10 | HHU-77008-MBTRP | 77MBTRP-008 | HHU-77008 main braker trip | HHU-77008 MN BRK TRP | 16 Bit | Bit | Bit | |
| 191 | FC3 | 40003 | | 40003 | 11 | HFD-77012-ZSL | 77HFDZSL-012 | HFD-77012 Not Close | HFD-77012 NOT CLS | 16 Bit | Bit | Bit | |
| 192 | FC3 | 40003 | | 40003 | 12 | HFD-77012-ZSH | 77HFDZSH-012 | HFD-77012 Not Open | HFD-77012 NOT OPN | 16 Bit | Bit | Bit | |
| 193 | FC3 | 40003 | | 40003 | 13 | HFD-77013-ZSL | 77HFDZSL-013 | HFD-77013 Not Close | HFD-77013 NOT CLS | 16 Bit | Bit | Bit | |
| 194 | FC3 | 40003 | | 40003 | 14 | HFD-77013-ZSH | 77HFDZSH-013 | HFD-77013 Not Open | HFD-77013 NOT OPN | 16 Bit | Bit | Bit | |
| 195 | FC3 | 40003 | | 40003 | 15 | HFD-77014-ZSL | 77HFDZSL-014 | HFD-77014 Not Close | HFD-77014 NOT CLS | 16 Bit | Bit | Bit | |
| 196 | FC3 | 40004 | | 40004 | 0 | HFD-77014-ZSH | 77HFDZSH-014 | HFD-77014 Not Open | HFD-77014 NOT OPN | 16 Bit | Bit | Bit | |
| 197 | FC3 | 40004 | | 40004 | 1 | B400-HSB-001-MSE | 77HSBXA-444 | Modbus Server Error | B400-MOD SERVER ERROR | 16 Bit | Bit | Bit | |
| 198 | FC3 | 40004 | | 40004 | 2 | B400-HSB-001-MODBUSF | 77HSBXA-044 | ModbusFault | B400 - MOD FLT | 16 Bit | Bit | Bit | |
| 199 | FC3 | 40004 | | 40004 | 3 | HHU-77008-PFFC | 77PFFC-008 | HHU-77008 press fan filter clogged | HHU-77008 FN FTR CLOGGED | 16 Bit | Bit | Bit | |
| 200 | FC3 | 40004 | | 40004 | 4 | HFD-77015-ZSL | 77HFDZSL-015 | HFD-77015 Not Close | HFD-77015 NOT CLS | 16 Bit | Bit | Bit | |
| 201 | FC3 | 40004 | | 40004 | 5 | HFD-77015-ZSH | 77HFDZSH-015 | HFD-77015 Not Open | HFD-77015 NOT OPN | 16 Bit | Bit | Bit | |
| 202 | FC3 | 40004 | | 40004 | 6 | HFD-77016-ZSL | 77HFDZSL-016 | HFD-77016 Not Close | HFD-77016 NOT CLS | 16 Bit | Bit | Bit | |
| 203 | FC3 | 40004 | | 40004 | 7 | HFD-77016-ZSH | 77HFDZSH-016 | HFD-77016 Not Open | HFD-77016 NOT OPN | 16 Bit | Bit | Bit | |
| 204 | FC3 | 40004 | | 40004 | 8 | 77-TT-401-F | 77TTXA-401 | 77-TT-401 Fault | 77-TT-401 FLT | 16 Bit | Bit | Bit | |
| 205 | FC3 | 40004 | | 40004 | 9 | 77-TT-402-F | 77TTXA-402 | 77-TT-402 Fault | 77-TT-402 FLT | 16 Bit | Bit | Bit | |
| 206 | FC3 | 40004 | | 40004 | 10 | 77-TT-403-F | 77TTXA-403 | 77-TT-403 Fault | 77-TT-403 FLT | 16 Bit | Bit | Bit | |
| 207 | FC3 | 40004 | | 40004 | 11 | 77-TT-404-F | 77TTXA-404 | 77-TT-404 Fault | 77-TT-404 FLT | 16 Bit | Bit | Bit | |
| 208 | FC3 | 40004 | | 40004 | 12 | 77-PT-401-F | 77PTXA-401 | 77-PT-401 Fault | 77-PT-401 FLT | 16 Bit | Bit | Bit | |
| 209 | FC3 | 40005 | | 40005 | 9 | B400-HSB-001-MF | B400SMF-001 | HVAC System Major Fault | MODBUS MAJOR FLT | 16 Bit | Bit | Bit | |

## HVAC

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | B100 | | | | | | | | | | | | |
| 1 | FC3 | 40009 | A | 40009 | 1 | B100-HSB-001-WD | 77WD-001 | ModBus WatchDog | MODBUS WATCHDOG | 16 Bit | Bit | Bit | |
| 2 | FC3 | 40010 | A | 40010 | 1 | B100-HSB-001-SS | 77HSBHS-001 | System Start From PCS | SYSTEM START FROM PCS | 16 Bit | Bit | Bit | |
| | B200 | | | | | | | | | 16 Bit | Bit | Bit | |
| 3 | FC3 | 40009 | A | 40009 | 1 | B200-HSB-001-WD | 77B2WD-001 | ModBus WatchDog | MODBUS WATCHDOG | 16 Bit | Bit | Bit | |
| 4 | FC3 | 40010 | A | 40010 | 1 | B200-HSB-001-SSTART | 77B2HSBHS-001 | System Start From PCS | SYSTEM START FROM PCS | 16 Bit | Bit | Bit | |
| 5 | FC3 | 40011 | A | 40011 | 1 | B200-HSB-001-SSTOP | 77B2HSBHSS-001 | System Stop From PCS | SYSTEM STOP FROM PCS | 16 Bit | Bit | Bit | |
| 6 | FC3 | 40012 | A | 40012 | 1 | B200-HSB-001-RA | 77B2HSBHRS-001 | Resel Alarm From PCS | SYSTEM RSTR FROM PCS | 16 Bit | Bit | Bit | |
| | B300 | | | | | | | | | 16 Bit | Bit | Bit | |
| 7 | FC3 | 40010 | A | 40010 | 1 | B300-HSB-001-SSTART | 77B3HSBHS-001 | System Start From PCS | B300-SYS START FROM PCS | 16 Bit | Bit | Bit | |
| 8 | FC3 | 40011 | A | 40011 | 1 | B300-HSB-001-SSTOP | 77B3HSBHSS-001 | System Stop From PCS | B300-SYS STOP FROM PCS | 16 Bit | Bit | Bit | |
| 9 | FC3 | 40015 | A | 40015 | 1 | B300-HSB-001-SR | 77B3HSBHRS-001 | System Reset Fault | B300-SYS RSTR FROM PCS | 16 Bit | Bit | Bit | |
| 10 | FC3 | 40015 | A | 40015 | 1 | B300-HSB-001-WD | 77B3WD-001 | WatchDog | B300-MODBUS WATCHDOG | 16 Bit | Bit | Bit | |
| | B400 | | | | | | | | | 16 Bit | Bit | Bit | |
| 11 | FC3 | 40010 | A | 40010 | 1 | B400-HSB-001-SSTART | 77B4HSBHS-001 | System Start From PCS | B400-SYS START FROM PCS | 16 Bit | Bit | Bit | |
| 12 | FC3 | 40011 | A | 40011 | 1 | B400-HSB-001-SSTOP | 77B4HSBHSS-001 | System Stop From PCS | B400-SYS STOP FROM PCS | 16 Bit | Bit | Bit | |
| 13 | FC3 | 40015 | A | 40015 | 1 | B300-HSB-001-SR | 77B4HSBHRS-001 | System Reset Fault | B400-SYS RSTR FROM PCS | 16 Bit | Bit | Bit | |
| 14 | FC3 | 40016 | A | 40016 | 1 | B300-HSB-001-WD | 77B4WD-001 | WatchDog | B400-MODBUS WATCHDOG | 16 Bit | Bit | Bit | |

## AC -UPS PAS

| SL | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 OR 4 | 00001 | A | 400001 | - | 20UI-5315 | 1=Normal Mode<br>2=Bypass mode<br>3=Battery mode<br>4=Eco Mode<br>5=Deactivation is imminent<br>6=Off | | 0 | 7 | | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 2 | 3 OR 4 | 00039 | A | 400039 | - | 20FRQ-5301 | RectMainsFreq. | RECT MAINS FREQ | 0.0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 3 | 3 OR 4 | 00040 | A | 400040 | | 20VI-4101 | RectMainsVoltL1 | RECT MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 4 | 3 OR 4 | 00041 | A | 400041 | | 20VI-4201 | RectMainsVoltL2 | RECT MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 5 | 3 OR 4 | 00042 | A | 400042 | | 20VI-4301 | RectMainsVoltL3 | RECT MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 6 | 3 OR 4 | 00043 | A | 400043 | | 20FRQ-5302 | SBSMainsFreq. | SBS MAINS FREQ | 0.0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 7 | 3 OR 4 | 00044 | A | 400044 | | 20VI-4102 | SBSMainsVoltL1 | SBS MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 8 | 3 OR 4 | 00045 | A | 400045 | | 20VI-4202 | SBSMainsVoltL2 | SBS MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 9 | 3 OR 4 | 00046 | A | 400046 | | 20VI-4302 | SBSMainsVoltL3 | SBS MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 10 | 3 OR 4 | 00047 | A | 400047 | | 20VI-5303 | BatteryVoltage | BATTERY VOLTAGE | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 11 | 3 OR 4 | 00048 | A | 400048 | | 20CI-5301 | BatteryCurrent | BATTERY CURRENT | 0 | 3000.0 | A | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | PAS AC UPS-A |
| 12 | 3 OR 4 | 00049 | A | 400049 | | 20UI-5301 | AutonomyTime | AUTONOMY TIME | 0 | 999.0 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 13 | 3 OR 4 | 00050 | A | 400050 | | 20UI-5302 | BatteryCapacity | BATTERY CAPACITY | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 14 | 3 OR 4 | 00051 | A | 400051 | | 20TI-5301 | BatteryTemperature | BATTERY TEMPERATURE | 0 | 99.9 | °C | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | PAS AC UPS-A |
| 15 | 3 OR 4 | 00052 | A | 400052 | | 20FRQ-5303 | OutputFreq. | OUTPUT FREQ | 0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 16 | 3 OR 4 | 00053 | A | 400053 | | 20VI-4103 | OutputVoltageL1 | OUTPUT VOLTAGE L1 | 0 | 999 | v | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 17 | 3 OR 4 | 00054 | A | 400054 | | 20UI-5303 | OutputLoadL1 | OUTPUT LOAD L1 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 18 | 3 OR 4 | 00055 | A | 400055 | | 20CI-4101 | OutputCurrentL1 | OUTPUT CURRENT L1 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 19 | 3 OR 4 | 00056 | A | 400056 | | 20JI-5301 | OutputPowerL1 | OUTPUT POWER L1 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 20 | 3 OR 4 | 00057 | A | 400057 | | 20VI-4203 | OutputVoltageL2 | OUTPUT VOLTAGE L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 21 | 3 OR 4 | 00058 | A | 400058 | | 20UI-5304 | OutputLoadL2 | OUTPUT LOAD L2 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 22 | 3 OR 4 | 00059 | A | 400059 | | 20CI-4201 | OutputCurrentL2 | OUTPUT CURRENT L2 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 23 | 3 OR 4 | 00060 | A | 400060 | | 20JI-5302 | OutputPowerL2 | OUTPUT POWER L2 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 24 | 3 OR 4 | 00061 | A | 400061 | | 20VI-4303 | OutputVoltageL3 | OUTPUT VOLTAGE L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 25 | 3 OR 4 | 00062 | A | 400062 | | 20UI-5305 | OutputLoadL3 | OUTPUT LOAD L3 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 26 | 3 OR 4 | 00063 | A | 400063 | | 20CI-4301 | OutputCurrentL3 | OUTPUT CURRENT L3 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 27 | 3 OR 4 | 00064 | A | 400064 | | 20JI-5303 | OutputPowerL3 | OUTPUT POWER L3 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 28 | 3 OR 4 | 00150 | A | 400150 | Real time (decimal) | 20UI-5306 | Year (20xx) | YEAR (20XX) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 29 | 3 OR 4 | 00151 | A | 400151 | | 20UI-5307 | Day (0-31) | DAY (0-31) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 30 | 3 OR 4 | 00152 | A | 400152 | | 20UI-5308 | Month (1-12) | MONTH (1-12) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 31 | 3 OR 4 | 00153 | A | 400153 | | 20UI-5309 | Hour (0-23) | HOUR (0-23) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 32 | 3 OR 4 | 00154 | A | 400154 | | 20UI-5310 | Minute (0-59) | MINUTE (0-59) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 33 | 3 OR 4 | 00155 | A | 400155 | | 20UI-5311 | Second (0-59) | SECOND (0-59) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 34 | 3 OR 4 | 00156 | A | 400156 | | 20UI-5312 | Millisecond (0-999) | MILLISECOND (0-999) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 35 | 3 OR 4 | 00157 | A | 400157 | | 20UI-5313 | Weekday 1 = Monday, 2 = Tuesday, ... | WEEKDAY 1 = MONDAY, 2 = TUESDAY, ... | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-A |
| 36 | 3 OR 4 | 1005 | A | 401005 | | 20UI-5314 | Battery Capacity Test - Remaining Time | BATT CAPACITY TEST REMAIN TM | 0.0 | 65535.0 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-A |
| 37 | 3 OR 4 | 00001 | A | 400001 | - | 20UI-5365 | 1=Normal Mode<br>2=Bypass mode<br>3=Battery mode<br>4=Eco Mode<br>5=Deactivation is imminent<br>6=Off | PAS UPS A STATUS | 0 | 7 | | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 38 | 3 OR 4 | 00039 | A | 400039 | - | 20FRQ-5351 | RectMainsFreq. | RECT MAINS FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 39 | 3 OR 4 | 00040 | A | 400040 | | 20VI-4151 | RectMainsVoltL1 | RECT MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 40 | 3 OR 4 | 00041 | A | 400041 | | 20VI-4251 | RectMainsVoltL2 | RECT MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 41 | 3 OR 4 | 00042 | A | 400042 | | 20VI-4351 | RectMainsVoltL3 | RECT MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 42 | 3 OR 4 | 00043 | A | 400043 | | 20FRQ-5352 | SBSMainsFreq. | SBS MAINS FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 43 | 3 OR 4 | 00044 | A | 400044 | | 20VI-4152 | SBSMainsVoltL1 | SBS MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 44 | 3 OR 4 | 00045 | A | 400045 | | 20VI-4252 | SBSMainsVoltL2 | SBS MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 45 | 3 OR 4 | 00046 | A | 400046 | | 20VI-4352 | SBSMainsVoltL3 | SBS MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 46 | 3 OR 4 | 00047 | A | 400047 | | 20CI-5351 | BatteryVoltage | BATTERY CURRENT | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 47 | 3 OR 4 | 00048 | A | 400048 | | 20VI-5353 | BatteryCurrent | BATTERY VOLTAGE | 0 | 3000 | A | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | PAS AC UPS-B |
| 48 | 3 OR 4 | 00049 | A | 400049 | | 20UI-5352 | AutonomyTime | BATTERY CAPACITY | 0 | 999 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 49 | 3 OR 4 | 00050 | A | 400050 | | 20UI-5351 | BatteryCapacity | AUTONOMY TIME | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 50 | 3 OR 4 | 00051 | A | 400051 | | 20TI-5351 | BatteryTemperature | BATTERY TEMPERATURE | 0 | 99.9 | °C | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | PAS AC UPS-B |
| 51 | 3 OR 4 | 00052 | A | 400052 | | 20FRQ-5353 | OutputFreq. | OUTPUT FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 52 | 3 OR 4 | 00053 | A | 400053 | | 20VI-4153 | OutputVoltageL1 | OUTPUT VOLTAGE L1 | 0 | 999 | v | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 53 | 3 OR 4 | 00054 | A | 400054 | | 20UI-5353 | OutputLoadL1 | OUTPUT LOAD L1 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 54 | 3 OR 4 | 00055 | A | 400055 | | 20CI-4151 | OutputCurrentL1 | OUTPUT CURRENT L1 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 55 | 3 OR 4 | 00056 | A | 400056 | | 20JI-5351 | OutputPowerL1 | OUTPUT POWER L1 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 56 | 3 OR 4 | 00057 | A | 400057 | | 20VI-4253 | OutputVoltageL2 | OUTPUT VOLTAGE L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 57 | 3 OR 4 | 00058 | A | 400058 | | 20UI-5354 | OutputLoadL2 | OUTPUT LOAD L2 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 58 | 3 OR 4 | 00059 | A | 400059 | | 20CI-4251 | OutputCurrentL2 | OUTPUT CURRENT L2 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 59 | 3 OR 4 | 00060 | A | 400060 | | 20VI-4353 | OutputPowerL2 | OUTPUT POWER L2 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |
| 60 | 3 OR 4 | 00061 | A | 400061 | | 20JI-5352 | OutputVoltageL3 | OUTPUT VOLTAGE L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 61 | 3 OR 4 | 00062 | A | 400062 | | 20UI-5355 | OutputLoadL3 | OUTPUT LOAD L3 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 62 | 3 OR 4 | 00063 | A | 400063 | | 20CI-4351 | OutputCurrentL3 | OUTPUT CURRENT L3 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 63 | 3 OR 4 | 00064 | A | 400064 | | 20JI-5353 | OutputPowerL3 | OUTPUT POWER L3 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |

## AC -UPS PAS

| SL | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 3 OR 4 | 00150 | A | 400150 | Real time (decimal) | 20UI-5356 | Year (20xx) | YEAR (20XX) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 65 | 3 OR 4 | 00151 | A | 400151 | | 20UI-5357 | Day (0-31) | DAY (0-31) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 66 | 3 OR 4 | 00152 | A | 400152 | | 20UI-5358 | Month (1-12) | MONTH (1-12) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 67 | 3 OR 4 | 00153 | A | 400153 | | 20UI-5359 | Hour (0-23) | HOUR (0-23) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 68 | 3 OR 4 | 00154 | A | 400154 | | 20UI-5360 | Minute (0-59) | MINUTE (0-59) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 69 | 3 OR 4 | 00155 | A | 400155 | | 20UI-5361 | Second (0-59) | SECOND (0-59) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 70 | 3 OR 4 | 00156 | A | 400156 | | 20UI-5362 | Millisecond (0-999) | MILLISECOND (0-999) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 71 | 3 OR 4 | 00157 | A | 400157 | | 20UI-5363 | Weekday 1 = Monday, 2 = Tuesday, ... | WEEKDAY 1 = MONDAY, 2 = TUESDAY, ... | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | PAS AC UPS-B |
| 72 | 3 OR 4 | 1005 | A | 41005 | | 20UI-5364 | Battery Capacity Test - Remaining Time | BATTERY CAPACITY TEST - REMAINING TIME | 0 | 65535 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | PAS AC UPS-B |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 OR 4 | 00001 | A | 400001 | - | 20UI-5415 | 1=Normal Mode<br>2=Bypass mode<br>3=Battery mode<br>4=Eco Mode<br>5=Deactivation is imminent<br>6=Off | | 0 | 7 | | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 2 | 3 OR 4 | 00039 | A | 400039 | - | 20FRQ-5401 | RectMainsFreq. | RECT MAINS FREQ | 0.0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 3 | 3 OR 4 | 00040 | A | 400040 | | 20VI-4104 | RectMainsVoltL1 | RECT MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 4 | 3 OR 4 | 00041 | A | 400041 | | 20VI-4204 | RectMainsVoltL2 | RECT MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 5 | 3 OR 4 | 00042 | A | 400042 | | 20VI-4304 | RectMainsVoltL3 | RECT MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 6 | 3 OR 4 | 00043 | A | 400043 | | 20FRQ-5402 | SBSMainsFreq. | SBS MAINS FREQ | 0.0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 7 | 3 OR 4 | 00044 | A | 400044 | | 20VI-4105 | SBSMainsVoltL1 | SBS MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 8 | 3 OR 4 | 00045 | A | 400045 | | 20VI-4205 | SBSMainsVoltL2 | SBS MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 9 | 3 OR 4 | 00046 | A | 400046 | | 20VI-4305 | SBSMainsVoltL3 | SBS MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 10 | 3 OR 4 | 00047 | A | 400047 | | 20VI-5403 | BatteryVoltage | BATTERY VOLTAGE | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 11 | 3 OR 4 | 00048 | A | 400048 | | 20CI-5401 | BatteryCurrent | BATTERY CURRENT | 0 | 3000.0 | A | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | FGS AC UPS-A |
| 12 | 3 OR 4 | 00049 | A | 400049 | | 20UI-5401 | AutonomyTime | AUTONOMY TIME | 0 | 999.0 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 13 | 3 OR 4 | 00050 | A | 400050 | | 20UI-5402 | BatteryCapacity | BATTERY CAPACITY | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 14 | 3 OR 4 | 00051 | A | 400051 | | 20TI-5401 | BatteryTemperature | BATTERY TEMPERATURE | 0 | 99.9 | °C | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | FGS AC UPS-A |
| 15 | 3 OR 4 | 00052 | A | 400052 | | 20FRQ-5403 | OutputFreq. | OUTPUT FREQ | 0 | 99.0 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 16 | 3 OR 4 | 00053 | A | 400053 | | 20VI-4103 | OutputVoltageL1 | OUTPUT VOLTAGE L1 | 0 | 999 | v | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 17 | 3 OR 4 | 00054 | A | 400054 | | 20UI-5403 | OutputLoadL1 | OUTPUT LOAD L1 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 18 | 3 OR 4 | 00055 | A | 400055 | | 20CI-4102 | OutputCurrentL1 | OUTPUT CURRENT L1 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 19 | 3 OR 4 | 00056 | A | 400056 | | 20JI-5401 | OutputPowerL1 | OUTPUT POWER L1 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 20 | 3 OR 4 | 00057 | A | 400057 | | 20VI-4206 | OutputVoltageL2 | OUTPUT VOLTAGE L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 21 | 3 OR 4 | 00058 | A | 400058 | | 20UI-5404 | OutputLoadL2 | OUTPUT LOAD L2 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 22 | 3 OR 4 | 00059 | A | 400059 | | 20CI-4202 | OutputCurrentL2 | OUTPUT CURRENT L2 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 23 | 3 OR 4 | 00060 | A | 400060 | | 20JI-5402 | OutputPowerL2 | OUTPUT POWER L2 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 24 | 3 OR 4 | 00061 | A | 400061 | | 20VI-4306 | OutputVoltageL3 | OUTPUT VOLTAGE L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 25 | 3 OR 4 | 00062 | A | 400062 | | 20UI-5405 | OutputLoadL3 | OUTPUT LOAD L3 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 26 | 3 OR 4 | 00063 | A | 400063 | | 20CI-4302 | OutputCurrentL3 | OUTPUT CURRENT L3 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 27 | 3 OR 4 | 00064 | A | 400064 | | 20JI-5403 | OutputPowerL3 | OUTPUT POWER L3 | 0.0 | 1000.0 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 28 | 3 OR 4 | 00150 | A | 400150 | Real time (decimal) | 20UI-5406 | Year (20xx) | Year (20xx) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 29 | 3 OR 4 | 00151 | A | 400151 | | 20UI-5407 | Day (0-31) | Day (0-31) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 30 | 3 OR 4 | 00152 | A | 400152 | | 20UI-5408 | Month (1-12) | Month (1-12) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 31 | 3 OR 4 | 00153 | A | 400153 | | 20UI-5409 | Hour (0-23) | Hour (0-23) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 32 | 3 OR 4 | 00154 | A | 400154 | | 20UI-5410 | Minute (0-59) | Minute (0-59) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 33 | 3 OR 4 | 00155 | A | 400155 | | 20UI-5411 | Second (0-59) | Second (0-59) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 34 | 3 OR 4 | 00156 | A | 400156 | | 20UI-5412 | Millisecond (0-999) | Millisecond (0-999) | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 35 | 3 OR 4 | 00157 | A | 400157 | | 20UI-5413 | Weekday 1 = Monday, 2 = Tuesday, ... | Weekday 1 = Monday, 2 = Tuesday, ... | 0.0 | 100.0 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-A |
| 36 | 3 OR 4 | 1005 | A | 41005 | | 20UI-5414 | Battery Capacity Test - Remaining Time | BATT CAPACITY TEST REMAIN TM | 0.0 | 65535.0 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-A |
| 37 | 3 OR 4 | 1 | A | 400001 | - | 20UI-5465 | 1=Normal Mode<br>2=Bypass mode<br>3=Battery mode<br>4=Eco Mode<br>5=Deactivation is imminent<br>6=Off | FGS UPS A STATUS | 0 | 7 | | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 38 | 3 OR 4 | 39 | A | 400039 | - | 20FRQ-5451 | RectMainsFreq. | RECT MAINS FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 39 | 3 OR 4 | 40 | A | 400040 | | 20VI-4154 | RectMainsVoltL1 | RECT MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 40 | 3 OR 4 | 41 | A | 400041 | | 20VI-4254 | RectMainsVoltL2 | RECT MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 41 | 3 OR 4 | 42 | A | 400042 | | 20VI-4354 | RectMainsVoltL3 | RECT MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 42 | 3 OR 4 | 43 | A | 400043 | | 20FRQ-5452 | SBSMainsFreq. | SBS MAINS FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 43 | 3 OR 4 | 44 | A | 400044 | | 20VI-4155 | SBSMainsVoltL1 | SBS MAINS VOLT L1 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 44 | 3 OR 4 | 45 | A | 400045 | | 20VI-4255 | SBSMainsVoltL2 | SBS MAINS VOLT L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 45 | 3 OR 4 | 46 | A | 400046 | | 20VI-4355 | SBSMainsVoltL3 | SBS MAINS VOLT L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 46 | 3 OR 4 | 47 | A | 400047 | | 20VI-5453 | BatteryVoltage | BATTERY CURRENT | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 47 | 3 OR 4 | 48 | A | 400048 | | 20CI-5451 | BatteryCurrent | BATTERY VOLTAGE | 0 | 3000 | A | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | FGS AC UPS-B |
| 48 | 3 OR 4 | 49 | A | 400049 | | 20UI-5451 | AutonomyTime | BATTERY CAPACITY | 0 | 999 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 49 | 3 OR 4 | 50 | A | 400050 | | 20UI-5452 | BatteryCapacity | AUTONOMY TIME | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 50 | 3 OR 4 | 51 | A | 400051 | | 20TI-5451 | BatteryTemperature | BATTERY TEMPERATURE | 0 | 99.9 | °C | | | | | 0 | 65535 | 16 Bit | UINT | INT10 | FGS AC UPS-B |
| 51 | 3 OR 4 | 52 | A | 400052 | | 20FRQ-5453 | OutputFreq. | OUTPUT FREQ | 0 | 99 | Hz | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 52 | 3 OR 4 | 53 | A | 400053 | | 20VI-4153 | OutputVoltageL1 | OUTPUT VOLTAGE L1 | 0 | 999 | v | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 53 | 3 OR 4 | 54 | A | 400054 | | 20UI-5453 | OutputLoadL1 | OUTPUT LOAD L1 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 54 | 3 OR 4 | 55 | A | 400055 | | 20CI-4152 | OutputCurrentL1 | OUTPUT CURRENT L1 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 55 | 3 OR 4 | 56 | A | 400056 | | 20JI-5451 | OutputPowerL1 | OUTPUT POWER L1 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 56 | 3 OR 4 | 57 | A | 400057 | | 20VI-4256 | OutputVoltageL2 | OUTPUT VOLTAGE L2 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 57 | 3 OR 4 | 58 | A | 400058 | | 20UI-5454 | OutputLoadL2 | OUTPUT LOAD L2 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 58 | 3 OR 4 | 59 | A | 400059 | | 20CI-4252 | OutputCurrentL2 | OUTPUT CURRENT L2 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 59 | 3 OR 4 | 60 | A | 400060 | | 20JI-5452 | OutputPowerL2 | OUTPUT POWER L2 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 60 | 3 OR 4 | 61 | A | 400061 | | 20VI-4356 | OutputVoltageL3 | OUTPUT VOLTAGE L3 | 0 | 999 | V | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 61 | 3 OR 4 | 62 | A | 400062 | | 20UI-5455 | OutputLoadL3 | OUTPUT LOAD L3 | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 62 | 3 OR 4 | 63 | A | 400063 | | 20CI-4352 | OutputCurrentL3 | OUTPUT CURRENT L3 | 0 | 9999 | A | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 63 | 3 OR 4 | 64 | A | 400064 | | 20JI-5453 | OutputPowerL3 | OUTPUT POWER L3 | 0 | 1000 | kW | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |
| 64 | 3 OR 4 | 150 | A | 400150 | Real time (decimal) | 20UI-5456 | Year (20xx) | Year (20xx) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 65 | 3 OR 4 | 151 | A | 400151 | | 20UI-5457 | Day (0-31) | Day (0-31) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 66 | 3 OR 4 | 152 | A | 400152 | | 20UI-5458 | Month (1-12) | Month (1-12) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 67 | 3 OR 4 | 153 | A | 400153 | | 20UI-5459 | Hour (0-23) | Hour (0-23) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 3 OR 4 | 154 | A | 400154 | | 20UI-5460 | Minute (0-59) | Minute (0-59) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 69 | 3 OR 4 | 155 | A | 400155 | | 20UI-5461 | Second (0-59) | Second (0-59) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 70 | 3 OR 4 | 156 | A | 400156 | | 20UI-5462 | Millisecond (0-999) | Millisecond (0-999) | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 71 | 3 OR 4 | 157 | A | 400157 | | 20UI-5463 | Weekday 1 = Monday, 2 = Tuesday, ... | Weekday 1 = Monday, 2 = Tuesday, ... | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | WORD | FGS AC UPS-B |
| 72 | 3 OR 4 | 1005 | A | 41005 | | 20UI-5464 | Battery Capacity Test - Remaining Time | BATT CAPACITY TEST REMAIN TM | 0 | 65535 | min | | | | | 0 | 65535 | 16 Bit | UINT | WORD10 | FGS AC UPS-B |

## AC -UPS PAS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FC3 or 4 | 2.0 | A | 40002 | 01 | NonCriticalFault | 20UA-5301 | W: Collective warning | NON CRITICAL FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 2 | FC3 or 4 | 3.0 | A | 40003 | 01 | CriticalFault | 20XA-5301 | A: Collective alarm | CRITICAL FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 3 | FC3 or 4 | 4.0 | A | 40004 | 01 | Userdef_DigIn1Active | 20US-5307 | W: | USERDEF_DIGIN1ACTIVE | 16 Bit | WORD | WORD | AC UPS-A |
| 4 | FC3 or 4 | 5.0 | A | 40005 | 01 | Userdef_DigIn2Active | 20US-5308 | W: | USERDEF_DIGIN2ACTIVE | 16 Bit | WORD | WORD | AC UPS-A |
| 5 | FC3 or 4 | 6.0 | A | 40006 | 01 | Userdef_DigIn3Active | 20US-5309 | W: | USERDEF_DIGIN3ACTIVE | 16 Bit | WORD | WORD | AC UPS-A |
| 6 | FC3 or 4 | 7.0 | A | 40007 | 01 | EmergencySwitchOff | 20US-5310 | A: UPS output off | EMERGENCYSWITCHOFF | 16 Bit | WORD | WORD | AC UPS-A |
| 7 | FC3 or 4 | 8.0 | A | 40008 | 01 | DouCanFault | 20XA-5302 | W: DOU CAN fault | DOU CAN FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 8 | FC3 or 4 | 9.0 | A | 40009 | 01 | Rectifier/bypass mains fault | 20XA-5303 | W: Rectifier/bypass mains fault | MAINS FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 9 | FC3 or 4 | 10.0 | A | 40010 | 01 | RectifierWarning | 20US-5311 | W: Rectifier warning | RECTIFIER WARNING | 16 Bit | WORD | WORD | AC UPS-A |
| 10 | FC3 or 4 | 11.0 | A | 40011 | 01 | RectifierFault | 20XA-5304 | A: Rectifier fault | RECTIFIER FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 11 | FC3 or 4 | 12.0 | A | 40012 | 01 | BatteryAlarm | 20XA-5305 | A: Battery fault | BATTERY ALARM | 16 Bit | WORD | WORD | AC UPS-A |
| 12 | FC3 or 4 | 13.0 | A | 40013 | 01 | InverterWarning | 20US-5312 | W: Inverter warning | INVERTER WARNING | 16 Bit | WORD | WORD | AC UPS-A |
| 13 | FC3 or 4 | 14.0 | A | 40014 | 01 | InverterFault | 20XA-5306 | A: Inverter fault | INVERTER FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 14 | FC3 or 4 | 15.0 | A | 40015 | 01 | SBSWarning | 20US-5313 | W: Bypass warning | SBS WARNING | 16 Bit | WORD | WORD | AC UPS-A |
| 15 | FC3 or 4 | 16.0 | A | 40016 | 01 | SBSFault | 20XA-5307 | A: Bypass fault | SBS FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 16 | FC3 or 4 | 17.0 | A | 40017 | 01 | EqualisingCharge | 20US-5314 | I: Charger status – equalising charging | EQUALISING CHARGE | 16 Bit | WORD | WORD | AC UPS-A |
| 17 | FC3 or 4 | 18.0 | A | 40018 | 01 | Charge | 20US-5315 | I: Charger status – charging | CHARGE | 16 Bit | WORD | WORD | AC UPS-A |
| 18 | FC3 or 4 | 19.0 | A | 40019 | 01 | TrickleCharge | 20US-5316 | I: Charger status – trickle charging | TRICKLE CHARGE | 16 Bit | WORD | WORD | AC UPS-A |
| 19 | FC3 or 4 | 20.0 | A | 40020 | 01 | GenSetOperation | 20UA-5302 | I: Charger status: Em. power supply "**O**" | GENSET OPERATION | 16 Bit | WORD | WORD | AC UPS-A |
| 20 | FC3 or 4 | 21.0 | A | 40021 | 01 | BattTemp.SensFault | 20XA-5308 | W: Battery temp. sensor | BATT TEMP SENS FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 21 | FC3 or 4 | 22.0 | A | 40022 | 01 | BatteryTemp.ToHigh | 20TA-5301 | W: Battery temp. too high | BATTERY TEMP TOHIGH | 16 Bit | WORD | WORD | AC UPS-A |
| 22 | FC3 or 4 | 23.0 | A | 40023 | 01 | CircuitBreaker | 20XS-5301 | W: Circuit-breaker tripped | CIRCUIT BREAKER | 16 Bit | WORD | WORD | AC UPS-A |
| 23 | FC3 or 4 | 24.0 | A | 40024 | 01 | BatteryWarning | 20US-5317 | W: Battery warning | BATTERY WARNING | 16 Bit | WORD | WORD | AC UPS-A |
| 24 | FC3 or 4 | 25.0 | A | 40025 | 01 | BatteryLow | 20US-5318 | W: Battery undervoltage | BATTERY LOW | 16 Bit | WORD | WORD | AC UPS-A |
| 25 | FC3 or 4 | 26.0 | A | 40026 | 01 | Overload | 20US-5319 | W: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | AC UPS-A |
| 26 | FC3 or 4 | 27.0 | A | 40027 | 01 | FanFault | 20XA-5309 | W: Fan fault | FAN FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 27 | FC3 or 4 | 28.0 | A | 40028 | 01 | Overload | 20UA-5303 | A: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | AC UPS-A |
| 28 | FC3 or 4 | 29.0 | A | 40029 | 01 | ShortCircuit | 20US-5320 | A: Inverter short-circuit | SHORT CIRCUIT | 16 Bit | WORD | WORD | AC UPS-A |
| 29 | FC3 or 4 | 30.0 | A | 40030 | 01 | DcUnderVoltage | 20US-5321 | A: Inverter DC undervoltage | DC UNDER VOLTAGE | 16 Bit | WORD | WORD | AC UPS-A |
| 30 | FC3 or 4 | 31.0 | A | 40031 | 01 | DcOverVoltage | 20US-5322 | A: Inverter DC overvoltage | DC OVER VOLTAGE | 16 Bit | WORD | WORD | AC UPS-A |
| 31 | FC3 or 4 | 32.0 | A | 40032 | 01 | PowerStackOverTemp | 20XA-5310 | A: Inverter stack fault | POWER STACK OVERTEMP | 16 Bit | WORD | WORD | AC UPS-A |
| 32 | FC3 or 4 | 33.0 | A | 40033 | 01 | SBSReady | 20RDY-5301 | I: Bypass ready | SBS READY | 16 Bit | WORD | WORD | AC UPS-A |
| 33 | FC3 or 4 | 34.0 | A | 40034 | 01 | SBSMainsFault | 20XA-5311 | W: Bypass mains fault | SBS MAINS FAULT | 16 Bit | WORD | WORD | AC UPS-A |
| 34 | FC3 or 4 | 35.0 | A | 40035 | 01 | SBSBlocked | 20US-5323 | W: Bypass blocked | SBSB LOCKED | 16 Bit | WORD | WORD | AC UPS-A |
| 35 | FC3 or 4 | 36.0 | A | 40036 | 01 | RectifierOn | 20US-5324 | I: Rectifier on | RECTIFIER ON | 16 Bit | WORD | WORD | AC UPS-A |
| 36 | FC3 or 4 | 37.0 | A | 40037 | 01 | InverterOn | 20US-5325 | I: Inverter on | INVERTER ON | 16 Bit | WORD | WORD | AC UPS-A |
| 37 | FC3 or 4 | 38.0 | A | 40038 | 01 | SBSOn | 20US-5326 | I: Bypass on | SBS ON | 16 Bit | WORD | WORD | AC UPS-A |
| 38 | FC3 or 4 | 65.0 | A | 40065 | 01 | LIFE CHECK BIT | 20US-5343 | LIFE CHECK BIT | LIFE CHECK BIT | 16 Bit | WORD | WORD | AC UPS-A |
| 39 | FC3 or 4 | 66.0 | A | 40066 | | Userdef_AUX1 – Rect. | 20UA-5304 | | USERDEF_AUX1 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 40 | FC3 or 4 | 67.0 | A | 40067 | | Userdef_AUX2 – Rect. | 20UA-5305 | | USERDEF_AUX2 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 41 | FC3 or 4 | 68.0 | A | 40068 | | Userdef_AUX3 – Rect. | 20UA-5306 | | USERDEF_AUX3 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 42 | FC3 or 4 | 69.0 | A | 40069 | | Userdef_AUX4 – Rect. | 20UA-5307 | | USERDEF_AUX4 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 43 | FC3 or 4 | 70.0 | A | 40070 | | Userdef_AUX5 – Rect. | 20UA-5308 | | USERDEF_AUX5 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 44 | FC3 or 4 | 71.0 | A | 40071 | | Userdef_AUX6 – Rect. | 20UA-5309 | | USERDEF_AUX6 – RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 45 | FC3 or 4 | 72.0 | A | 40072 | | Userdef_AUX7– Rect. | 20UA-5310 | | USERDEF_AUX7– RECT | 16 Bit | WORD | WORD | AC UPS-A |
| 46 | FC3 or 4 | 73.0 | A | 40073 | | Userdef_AUX1 – Inv. | 20UA-5311 | | USERDEF_AUX1 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 47 | FC3 or 4 | 74.0 | A | 40074 | | Userdef_AUX2 – Inv. | 20UA-5312 | | USERDEF_AUX2 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 48 | FC3 or 4 | 75.0 | A | 40075 | | Userdef_AUX3 – Inv. | 20UA-5313 | | USERDEF_AUX3 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 49 | FC3 or 4 | 76.0 | A | 40076 | | Userdef_AUX4 – Inv. | 20UA-5314 | | USERDEF_AUX4 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 50 | FC3 or 4 | 77.0 | A | 40077 | | Userdef_AUX5 – Inv. | 20UA-5315 | | USERDEF_AUX5 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 51 | FC3 or 4 | 78.0 | A | 40078 | | Userdef_AUX6 – Inv. | 20UA-5316 | | USERDEF_AUX6 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 52 | FC3 or 4 | 79.0 | A | 40079 | | Userdef_AUX7 – Inv. | 20UA-5317 | | USERDEF_AUX7 – INV | 16 Bit | WORD | WORD | AC UPS-A |
| 53 | FC3 or 4 | 80.0 | A | 40080 | | Userdef_AUX1 – SBS | 20UA-5318 | | USERDEF_AUX1 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 54 | FC3 or 4 | 81.0 | A | 40081 | | Userdef_AUX2 – SBS | 20UA-5319 | | USERDEF_AUX2 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 55 | FC3 or 4 | 82.0 | A | 40082 | | Userdef_AUX3 – SBS | 20UA-5320 | | USERDEF_AUX3 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 56 | FC3 or 4 | 83.0 | A | 40083 | | Userdef_AUX4 – SBS | 20UA-5321 | | USERDEF_AUX4 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 57 | FC3 or 4 | 84.0 | A | 40084 | | Userdef_AUX5 – SBS | 20UA-5322 | | USERDEF_AUX5 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 58 | FC3 or 4 | 85.0 | A | 40085 | | Userdef_AUX6 – SBS | 20UA-5323 | | USERDEF_AUX6 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 59 | FC3 or 4 | 86.0 | A | 40086 | | Userdef_AUX7 – SBS | 20UA-5324 | | USERDEF_AUX7 – SBS | 16 Bit | WORD | WORD | AC UPS-A |
| 60 | FC3 or 4 , 6 | 1000.0 | A | 41000 | 1 | | | | | | | | AC UPS-A |
| 61 | FC3 or 4 , 6 | 1000.01 | A | 41000 | 2 | ON | 20HS-5302 | ON | ON | 16 Bit | Bit | Bit | AC UPS-A |
| 62 | FC3 or 4 , 6 | 1000.02 | A | 41000 | 3 | OFF | 20HS-5303 | OFF | OFF | 16 Bit | Bit | Bit | AC UPS-A |
| 63 | FC3 or 4 , 6 | 1000.09 | A | 41000 | 10 | ACKNOWLEDGE FAULT | 20HS-5304 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-A |
| 64 | FC3 or 4 , 6 | 1000.10 | A | 41000 | 11 | EQUALISING CHARGING | 20HS-5305 | EQUALISING CHARGING | EQUALISING CHARGING | 16 Bit | Bit | Bit | AC UPS-A |
| 65 | FC3 or 4 , 6 | 1000.11 | A | 41000 | 12 | CHARGE | 20HS-5306 | CHARGE | CHARGE | 16 Bit | Bit | Bit | AC UPS-A |
| 66 | FC3 or 4 , 6 | 1000.12 | A | 41000 | 13 | TRICKLE CHARGING | 20HS-5307 | TRICKLE CHARGING | TRICKLE CHARGING | 16 Bit | Bit | Bit | AC UPS-A |
| 67 | FC3 or 4 , 6 | 1001.0 | A | 41001 | 1 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 68 | FC3 or 4 , 6 | 1001.1 | A | 41001 | 2 | ON | 20HS-5316 | ON | ON | 16 Bit | Bit | Bit | AC UPS-A |
| 69 | FC3 or 4 , 6 | 1001.2 | A | 41001 | 3 | OFF | 20HS-5317 | OFF | OFF | 16 Bit | Bit | Bit | AC UPS-A |
| 70 | FC3 or 4 , 6 | 1001.03 | A | 41001 | 4 | Eco mode | 20HS-5318 | ECO MODE | ECO MODE | 16 Bit | Bit | Bit | AC UPS-A |

## AC -UPS PAS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | FC3 or 4 , 6 | 1001.09 | A | 41001 | 10 | acknowledge fault | 20HS-5319 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-A |
| 72 | FC3 or 4 , 6 | 1002.0 | A | 41002 | 1 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 73 | FC3 or 4 , 6 | 1002.9 | A | 41002 | 10 | acknowledge fault | 20HS-5309 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-A |
| 74 | FC3 or 4 , 6 | 1003.0 | A | 41003 | 01 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 75 | FC3 or 4 , 6 | 1003.0x 01 | A | 41003 | 02 | Start test | 20HS-5311 | START TEST | START TEST | 16 Bit | Bit | Bit | AC UPS-A |
| 76 | FC3 or 4 , 6 | 1003.0x 02 | A | 41003 | 03 | Cancel test | 20HS-5312 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | AC UPS-A |
| 77 | FC3 or 4 , 6 | 1003.0x 00 | A | 41003 | 04 | Test not implemented | 20US-5331 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | AC UPS-A |
| 78 | FC3 or 4 , 6 | 1003.0x01 | A | 41003 | 05 | Test impl., waiting for approva | 20US-5332 | TEST IMPL WAITNG APPROVA | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | AC UPS-A |
| 79 | FC3 or 4 , 6 | 1003.0x02 | A | 41003 | 06 | Test approved | 20US-5333 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | AC UPS-A |
| 80 | FC3 or 4 , 6 | 1003.0x03 | A | 41003 | 07 | Test running | 20US-5334 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | AC UPS-A |
| 81 | FC3 or 4 , 6 | 1003.0x04 | A | 41003 | 08 | Test successful | 20US-5335 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | AC UPS-A |
| 82 | FC3 or 4 , 6 | 1003.0x05 | A | 41003 | 09 | Test cancelled | 20US-5336 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | AC UPS-A |
| 83 | FC3 or 4 , 6 | 1003.0x06 | A | 41003 | 10 | Test warning | 20UA-5325 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | AC UPS-A |
| 84 | FC3 or 4 , 6 | 1003.0x07 | A | 41003 | 11 | Test error | 20XA-5315 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | AC UPS-A |
| 85 | FC3 or 4 , 6 | 1004.0 | A | 41004 | 01 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 86 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 02 | Start test | 20HS-5314 | START TEST | START TEST | 16 Bit | Bit | Bit | AC UPS-A |
| 87 | FC3 or 4 , 6 | 1004.0x 01 | A | 41004 | 03 | Cancel test | 20HS-5315 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | AC UPS-A |
| 88 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 04 | Test not implemented | 20US-5337 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | AC UPS-A |
| 89 | FC3 or 4 , 6 | 1004.0x01 | A | 41004 | 05 | Test impl., waiting for approva | 20US-5338 | TEST IMPL WAITNG APPROVA | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | AC UPS-A |
| 90 | FC3 or 4 , 6 | 1004.0x02 | A | 41004 | 06 | Test approved | 20US-5339 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | AC UPS-A |
| 91 | FC3 or 4 , 6 | 1004.0x03 | A | 41004 | 07 | Test running | 20US-5340 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | AC UPS-A |
| 92 | FC3 or 4 , 6 | 1004.0x04 | A | 41004 | 08 | Test successful | 20US-5341 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | AC UPS-A |
| 93 | FC3 or 4 , 6 | 1004.0x05 | A | 41004 | 09 | Test cancelled | 20US-5342 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | AC UPS-A |
| 94 | FC3 or 4 , 6 | 1004.0x06 | A | 41004 | 10 | Test warning | 20UA-5326 | TEST WARNING | | | | | |
| 95 | FC3 or 4 , 6 | 1004.0x07 | A | 41004 | 11 | Test error | 20XA-5316 | TEST ERROR | | | | | |
| 96 | FC3 or 4 | 2.0 | A | 40002 | 01 | NonCriticalFault | 20UA-5351 | W: Collective warning | NON CRITICAL FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 97 | FC3 or 4 | 3.0 | A | 40003 | 01 | CriticalFault | 20XA-5351 | A: Collective alarm | CRITICAL FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 98 | FC3 or 4 | 4.0 | A | 40004 | 01 | Userdef_DigIn1Active | 20US-5357 | W: | USERDEF_DIGIN1ACTIVE | 16 Bit | WORD | WORD | AC UPS-B |
| 99 | FC3 or 4 | 5.0 | A | 40005 | 01 | Userdef_DigIn2Active | 20US-5358 | W: | USERDEF_DIGIN2ACTIVE | 16 Bit | WORD | WORD | AC UPS-B |
| 100 | FC3 or 4 | 6.0 | A | 40006 | 01 | Userdef_DigIn3Active | 20US-5359 | W: | USERDEF_DIGIN3ACTIVE | 16 Bit | WORD | WORD | AC UPS-B |
| 101 | FC3 or 4 | 7.0 | A | 40007 | 01 | EmergencySwitchOff | 20US-5360 | A: UPS output off | EMERGENCYSWITCHOFF | 16 Bit | WORD | WORD | AC UPS-B |
| 102 | FC3 or 4 | 8.0 | A | 40008 | 01 | DouCanFault | 20XA-5352 | W: DOU CAN fault | DOU CAN FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 103 | FC3 or 4 | 9.0 | A | 40009 | 01 | MainsFault | 20XA-5353 | W: Rectifier/bypass mains fault | MAINS FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 104 | FC3 or 4 | 10.0 | A | 40010 | 01 | RectifierWarning | 20US-5361 | W: Rectifier warning | RECTIFIER WARNING | 16 Bit | WORD | WORD | AC UPS-B |
| 105 | FC3 or 4 | 11.0 | A | 40011 | 01 | RectifierFault | 20XA-5354 | A: Rectifier fault | RECTIFIER FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 106 | FC3 or 4 | 12.0 | A | 40012 | 01 | BatteryAlarm | 20XA-5355 | A: Battery fault | BATTERY ALARM | 16 Bit | WORD | WORD | AC UPS-B |
| 107 | FC3 or 4 | 13.0 | A | 40013 | 01 | InverterWarning | 20US-5362 | W: Inverter warning | INVERTER WARNING | 16 Bit | WORD | WORD | AC UPS-B |
| 108 | FC3 or 4 | 14.0 | A | 40014 | 01 | InverterFault | 20XA-5356 | A: Inverter fault | INVERTER FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 109 | FC3 or 4 | 15.0 | A | 40015 | 01 | SBSWarning | 20US-5363 | W: Bypass warning | SBS WARNING | 16 Bit | WORD | WORD | AC UPS-B |
| 110 | FC3 or 4 | 16.0 | A | 40016 | 01 | SBSFault | 20XA-5357 | A: Bypass fault | SBS FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 111 | FC3 or 4 | 17.0 | A | 40017 | 01 | EqualisingCharge | 20US-5364 | I: Charger status – equalising charging | EQUALISING CHARGE | 16 Bit | WORD | WORD | AC UPS-B |
| 112 | FC3 or 4 | 18.0 | A | 40018 | 01 | Charge | 20US-5365 | I: Charger status – charging | CHARGE | 16 Bit | WORD | WORD | AC UPS-B |
| 113 | FC3 or 4 | 19.0 | A | 40019 | 01 | TrickleCharge | 20US-5366 | I: Charger status – trickle charging | TRICKLE CHARGE | 16 Bit | WORD | WORD | AC UPS-B |
| 114 | FC3 or 4 | 20.0 | A | 40020 | 01 | GenSetOperation | 20UA-5352 | I: Charger status: Em. power supply "**O**" | GENSET OPERATION | 16 Bit | WORD | WORD | AC UPS-B |
| 115 | FC3 or 4 | 21.0 | A | 40021 | 01 | BattTemp.SensFault | 20XA-5358 | W: Battery temp. sensor | BATT TEMP SENS FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 116 | FC3 or 4 | 22.0 | A | 40022 | 01 | BatteryTemp.ToHigh | 20TA-5351 | W: Battery temp. too high | BATTERY TEMP TOHIGH | 16 Bit | WORD | WORD | AC UPS-B |
| 117 | FC3 or 4 | 23.0 | A | 40023 | 01 | CircuitBreaker | 20XS-5351 | W: Circuit-breaker tripped | CIRCUIT BREAKER | 16 Bit | WORD | WORD | AC UPS-B |
| 118 | FC3 or 4 | 24.0 | A | 40024 | 01 | BatteryWarning | 20US-5367 | W: Battery warning | BATTERY WARNING | 16 Bit | WORD | WORD | AC UPS-B |
| 119 | FC3 or 4 | 25.0 | A | 40025 | 01 | BatteryLow | 20US-5368 | W: Battery undervoltage | BATTERY LOW | 16 Bit | WORD | WORD | AC UPS-B |
| 120 | FC3 or 4 | 26.0 | A | 40026 | 01 | Overload | 20US-5369 | W: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | AC UPS-B |
| 121 | FC3 or 4 | 27.0 | A | 40027 | 01 | FanFault | 20XA-5359 | W: Fan fault | FAN FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 122 | FC3 or 4 | 28.0 | A | 40028 | 01 | Overload | 20UA-5353 | A: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | AC UPS-B |
| 123 | FC3 or 4 | 29.0 | A | 40029 | 01 | ShortCircuit | 20US-5370 | A: Inverter short-circuit | SHORT CIRCUIT | 16 Bit | WORD | WORD | AC UPS-B |
| 124 | FC3 or 4 | 30.0 | A | 40030 | 01 | DcUnderVoltage | 20US-5371 | A: Inverter DC undervoltage | DC UNDER VOLTAGE | 16 Bit | WORD | WORD | AC UPS-B |
| 125 | FC3 or 4 | 31.0 | A | 40031 | 01 | DcOverVoltage | 20US-5372 | A: Inverter DC overvoltage | DC OVER VOLTAGE | 16 Bit | WORD | WORD | AC UPS-B |
| 126 | FC3 or 4 | 32.0 | A | 40032 | 01 | PowerStackOverTemp | 20XA-5360 | A: Inverter stack fault | POWER STACK OVERTEMP | 16 Bit | WORD | WORD | AC UPS-B |
| 127 | FC3 or 4 | 33.0 | A | 40033 | 01 | SBSReady | 20RDY5351 | I: Bypass ready | SBS READY | 16 Bit | WORD | WORD | AC UPS-B |
| 128 | FC3 or 4 | 34.0 | A | 40034 | 01 | SBSMainsFault | 20XA-5361 | W: Bypass mains fault | SBS MAINS FAULT | 16 Bit | WORD | WORD | AC UPS-B |
| 129 | FC3 or 4 | 35.0 | A | 40035 | 01 | SBSBlocked | 20US-5373 | W: Bypass blocked | SBSB LOCKED | 16 Bit | WORD | WORD | AC UPS-B |
| 130 | FC3 or 4 | 36.0 | A | 40036 | 01 | RectifierOn | 20US-5374 | I: Rectifier on | RECTIFIER ON | 16 Bit | WORD | WORD | AC UPS-B |
| 131 | FC3 or 4 | 37.0 | A | 40037 | 01 | InverterOn | 20US-5375 | I: Inverter on | INVERTER ON | 16 Bit | WORD | WORD | AC UPS-B |
| 132 | FC3 or 4 | 38.0 | A | 40038 | 01 | SBSOn | 20US-5376 | I: Bypass on | SBS ON | 16 Bit | WORD | WORD | AC UPS-B |
| 133 | FC3 or 4 | 65.0 | A | 40065 | 01 | LIFE CHECK BIT | 20US-5393 | LIFE CHECK BIT | LIFE CHECK BIT | 16 Bit | WORD | WORD | AC UPS-B |
| 134 | FC3 or 4 | 66.0 | A | 40066 | | Userdef_AUX1 – Rect. | 20UA-5354 | | USERDEF_AUX1 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 135 | FC3 or 4 | 67.0 | A | 40067 | | Userdef_AUX2 – Rect. | 20UA-5355 | | USERDEF_AUX2 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 136 | FC3 or 4 | 68.0 | A | 40068 | | Userdef_AUX3 – Rect. | 20UA-5356 | | USERDEF_AUX3 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 137 | FC3 or 4 | 69.0 | A | 40069 | | Userdef_AUX4 – Rect. | 20UA-5357 | | USERDEF_AUX4 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 138 | FC3 or 4 | 70.0 | A | 40070 | | Userdef_AUX5 – Rect. | 20UA-5358 | | USERDEF_AUX5 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 139 | FC3 or 4 | 71.0 | A | 40071 | | Userdef_AUX6 – Rect. | 20UA-5359 | | USERDEF_AUX6 – RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 140 | FC3 or 4 | 72.0 | A | 40072 | | Userdef_AUX7– Rect. | 20UA-5360 | | USERDEF_AUX7– RECT | 16 Bit | WORD | WORD | AC UPS-B |
| 141 | FC3 or 4 | 73.0 | A | 40073 | | Userdef_AUX1 – Inv. | 20UA-5361 | | USERDEF_AUX1 – INV | 16 Bit | WORD | WORD | AC UPS-B |

## AC -UPS PAS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 142 | FC3 or 4 | 74.0 | A | 40074 | | Userdef_AUX2 – Inv. | 20UA-5362 | | USERDEF_AUX2 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 143 | FC3 or 4 | 75.0 | A | 40075 | | Userdef_AUX3 – Inv. | 20UA-5363 | | USERDEF_AUX3 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 144 | FC3 or 4 | 76.0 | A | 40076 | | Userdef_AUX4 – Inv. | 20UA-5364 | | USERDEF_AUX4 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 145 | FC3 or 4 | 77.0 | A | 40077 | | Userdef_AUX5 – Inv. | 20UA-5365 | | USERDEF_AUX5 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 146 | FC3 or 4 | 78.0 | A | 40078 | | Userdef_AUX6 – Inv. | 20UA-5366 | | USERDEF_AUX6 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 147 | FC3 or 4 | 79.0 | A | 40079 | | Userdef_AUX7 – Inv. | 20UA-5367 | | USERDEF_AUX7 – INV | 16 Bit | WORD | WORD | AC UPS-B |
| 148 | FC3 or 4 | 80.0 | A | 40080 | | Userdef_AUX1 – SBS | 20UA-5368 | | USERDEF_AUX1 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 149 | FC3 or 4 | 81.0 | A | 40081 | | Userdef_AUX2 – SBS | 20UA-5369 | | USERDEF_AUX2 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 150 | FC3 or 4 | 82.0 | A | 40082 | | Userdef_AUX3 – SBS | 20UA-5370 | | USERDEF_AUX3 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 151 | FC3 or 4 | 83.0 | A | 40083 | | Userdef_AUX4 – SBS | 20UA-5371 | | USERDEF_AUX4 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 152 | FC3 or 4 | 84.0 | A | 40084 | | Userdef_AUX5 – SBS | 20UA-5372 | | USERDEF_AUX5 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 153 | FC3 or 4 | 85.0 | A | 40085 | | Userdef_AUX6 – SBS | 20UA-5373 | | USERDEF_AUX6 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 154 | FC3 or 4 | 86.0 | A | 40086 | | Userdef_AUX7 – SBS | 20UA-5374 | | USERDEF_AUX7 – SBS | 16 Bit | WORD | WORD | AC UPS-B |
| 155 | FC3 or 4 , 6 | 1000.0 | A | 41000 | 1 | | | | | | | | AC UPS-B |
| 156 | FC3 or 4 , 6 | 1000.01 | A | 41000 | 2 | ON | 20HS-5352 | ON | ON | 16 Bit | Bit | Bit | AC UPS-B |
| 157 | FC3 or 4 , 6 | 1000.02 | A | 41000 | 3 | OFF | 20HS-5353 | OFF | OFF | 16 Bit | Bit | Bit | AC UPS-B |
| 158 | FC3 or 4 , 6 | 1000.09 | A | 41000 | 10 | ACKNOWLEDGE FAULT | 20HS-5354 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-B |
| 159 | FC3 or 4 , 6 | 1000.10 | A | 41000 | 11 | EQUALISING CHARGING | 20HS-5355 | EQUALISING CHARGING | EQUALISING CHARGING | 16 Bit | Bit | Bit | AC UPS-B |
| 160 | FC3 or 4 , 6 | 1000.11 | A | 41000 | 12 | CHARGE | 20HS-5356 | CHARGE | CHARGE | 16 Bit | Bit | Bit | AC UPS-B |
| 161 | FC3 or 4 , 6 | 1000.12 | A | 41000 | 13 | TRICKLE CHARGING | 20HS-5357 | TRICKLE CHARGING | TRICKLE CHARGING | 16 Bit | Bit | Bit | AC UPS-B |
| 162 | FC3 or 4 , 6 | 1001.0 | A | 41001 | 1 | | | | | 16 Bit | Bit | Bit | AC UPS-B |
| 163 | FC3 or 4 , 6 | 1001.1 | A | 41001 | 2 | ON | 20HS-5366 | ON | ON | 16 Bit | Bit | Bit | AC UPS-B |
| 164 | FC3 or 4 , 6 | 1001.2 | A | 41001 | 3 | OFF | 20HS-5367 | OFF | OFF | 16 Bit | Bit | Bit | AC UPS-B |
| 165 | FC3 or 4 , 6 | 1001.03 | A | 41001 | 4 | Eco mode | 20HS-5368 | ECO MODE | ECO MODE | 16 Bit | Bit | Bit | AC UPS-B |
| 166 | FC3 or 4 , 6 | 1001.09 | A | 41001 | 10 | acknowledge fault | 20HS-5369 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-B |
| 167 | FC3 or 4 , 6 | 1002.0 | A | 41002 | 1 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 168 | FC3 or 4 , 6 | 1002.9 | A | 41002 | 10 | acknowledge fault | 20HS-5359 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-A |
| 169 | FC3 or 4 , 6 | 1003.0 | A | 41003 | 01 | | | | | 16 Bit | Bit | Bit | AC UPS-B |
| 170 | FC3 or 4 , 6 | 1003.0x 01 | A | 41003 | 02 | Start test | 20HS-5361 | START TEST | START TEST | 16 Bit | Bit | Bit | AC UPS-B |
| 171 | FC3 or 4 , 6 | 1003.0x 02 | A | 41003 | 03 | Cancel test | 20HS-5362 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | AC UPS-B |
| 172 | FC3 or 4 , 6 | 1003.0x 00 | A | 41003 | 04 | Test not implemented | 20US-5381 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | AC UPS-B |
| 173 | FC3 or 4 , 6 | 1003.0x01 | A | 41003 | 05 | Test impl., waiting for approva | 20US-5382 | TEST IMPL WAITNG APPROVA | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | AC UPS-B |
| 174 | FC3 or 4 , 6 | 1003.0x02 | A | 41003 | 06 | Test approved | 20US-5383 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | AC UPS-B |
| 175 | FC3 or 4 , 6 | 1003.0x03 | A | 41003 | 07 | Test running | 20US-5384 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | AC UPS-B |
| 176 | FC3 or 4 , 6 | 1003.0x04 | A | 41003 | 08 | Test successful | 20US-5385 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | AC UPS-B |
| 177 | FC3 or 4 , 6 | 1003.0x05 | A | 41003 | 09 | Test cancelled | 20US-5386 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | AC UPS-B |
| 178 | FC3 or 4 , 6 | 1003.0x06 | A | 41003 | 10 | Test warning | 20UA-5375 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | AC UPS-B |
| 179 | FC3 or 4 , 6 | 1003.0x07 | A | 41003 | 11 | Test error | 20XA-5365 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | AC UPS-B |
| 180 | FC3 or 4 , 6 | 1004.0 | A | 41004 | 01 | | | | | 16 Bit | Bit | Bit | AC UPS-B |
| 181 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 02 | Start test | 20HS-5364 | START TEST | START TEST | 16 Bit | Bit | Bit | AC UPS-B |
| 182 | FC3 or 4 , 6 | 1004.0x 01 | A | 41004 | 03 | Cancel test | 20HS-5365 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | AC UPS-B |
| 183 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 04 | Test not implemented | 20US-5387 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | AC UPS-B |
| 184 | FC3 or 4 , 6 | 1004.0x01 | A | 41004 | 05 | Test impl., waiting for approva | 20US-5388 | TEST IMPL WAITNG APPROVA | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | AC UPS-B |
| 185 | FC3 or 4 , 6 | 1004.0x02 | A | 41004 | 06 | Test approved | 20US-5389 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | AC UPS-B |
| 186 | FC3 or 4 , 6 | 1004.0x03 | A | 41004 | 07 | Test running | 20US-5390 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | AC UPS-B |
| 187 | FC3 or 4 , 6 | 1004.0x04 | A | 41004 | 08 | Test successful | 20US-5391 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | AC UPS-B |
| 188 | FC3 or 4 , 6 | 1004.0x05 | A | 41004 | 09 | Test cancelled | 20US-5392 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | AC UPS-B |
| 189 | FC3 or 4 , 6 | 1004.0x06 | A | 41004 | 10 | Test warning | 20UA-5376 | TEST WARNING | TEST WARNING | | | | |
| 190 | FC3 or 4 , 6 | 1004.0x07 | A | 41004 | 11 | Test error | 20XA-5366 | TEST ERROR | TEST ERROR | | | | |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FC3 or 4 | 2.0 | A | 40002 | 01 | NonCriticalFault | 20UA-5401 | W: Collective warning | NON CRITICAL FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 2 | FC3 or 4 | 3.0 | A | 40003 | 01 | CriticalFault | 20XA-5401 | A: Collective alarm | CRITICAL FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 3 | FC3 or 4 | 4.0 | A | 40004 | 01 | Userdef_DigIn1Active | 20US-5407 | W: | USERDEF_DIGIN1ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 4 | FC3 or 4 | 5.0 | A | 40005 | 01 | Userdef_DigIn2Active | 20US-5408 | W: | USERDEF_DIGIN2ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 5 | FC3 or 4 | 6.0 | A | 40006 | 01 | Userdef_DigIn3Active | 20US-5409 | W: | USERDEF_DIGIN3ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 6 | FC3 or 4 | 7.0 | A | 40007 | 01 | EmergencySwitchOff | 20US-5410 | A: UPS output off | EMERGENCYSWITCHOFF | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 7 | FC3 or 4 | 8.0 | A | 40008 | 01 | DouCanFault | 20XA-5402 | W: DOU CAN fault | DOU CAN FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 8 | FC3 or 4 | 9.0 | A | 40009 | 01 | Rectifier/bypass mains fault | 20XA-5403 | W: Rectifier/bypass mains fault | MAINS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 9 | FC3 or 4 | 10.0 | A | 40010 | 01 | RectifierWarning | 20US-5411 | W: Rectifier warning | RECTIFIER WARNING | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 10 | FC3 or 4 | 11.0 | A | 40011 | 01 | RectifierFault | 20XA-5404 | A: Rectifier fault | RECTIFIER FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 11 | FC3 or 4 | 12.0 | A | 40012 | 01 | BatteryAlarm | 20XA-5405 | A: Battery fault | BATTERY ALARM | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 12 | FC3 or 4 | 13.0 | A | 40013 | 01 | InverterWarning | 20US-5412 | W: Inverter warning | INVERTER WARNING | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 13 | FC3 or 4 | 14.0 | A | 40014 | 01 | InverterFault | 20XA-5406 | A: Inverter fault | INVERTER FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 14 | FC3 or 4 | 15.0 | A | 40015 | 01 | SBSWarning | 20US-5413 | W: Bypass warning | SBS WARNING | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 15 | FC3 or 4 | 16.0 | A | 40016 | 01 | SBSFault | 20XA-5407 | A: Bypass fault | SBS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 16 | FC3 or 4 | 17.0 | A | 40017 | 01 | EqualisingCharge | 20US-5414 | I: Charger status – equalising charging | EQUALISING CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 17 | FC3 or 4 | 18.0 | A | 40018 | 01 | Charge | 20UA-5427 | I: Charger status – charging | CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 18 | FC3 or 4 | 19.0 | A | 40019 | 01 | TrickleCharge | 20UA-5428 | I: Charger status – trickle charging | TRICKLE CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 19 | FC3 or 4 | 20.0 | A | 40020 | 01 | GenSetOperation | 20UA-5402 | I: Charger status: Em. power supply "**O**" | GENSET OPERATION | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 20 | FC3 or 4 | 21.0 | A | 40021 | 01 | BattTemp.SensFault | 20XA-5408 | W: Battery temp. sensor | BATT TEMP SENS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 21 | FC3 or 4 | 22.0 | A | 40022 | 01 | BatteryTemp.ToHigh | 20TA-5401 | W: Battery temp. too high | BATTERY TEMP TOHIGH | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 22 | FC3 or 4 | 23.0 | A | 40023 | 01 | CircuitBreaker | 20XS-5401 | W: Circuit-breaker tripped | CIRCUIT BREAKER | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 23 | FC3 or 4 | 24.0 | A | 40024 | 01 | BatteryWarning | 20US-5417 | W: Battery warning | BATTERY WARNING | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 24 | FC3 or 4 | 25.0 | A | 40025 | 01 | BatteryLow | 20US-5418 | W: Battery undervoltage | BATTERY LOW | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 25 | FC3 or 4 | 26.0 | A | 40026 | 01 | Overload | 20US-5419 | W: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 26 | FC3 or 4 | 27.0 | A | 40027 | 01 | FanFault | 20XA-5409 | W: Fan fault | FAN FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 27 | FC3 or 4 | 28.0 | A | 40028 | 01 | Overload | 20UA-5403 | A: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 28 | FC3 or 4 | 29.0 | A | 40029 | 01 | ShortCircuit | 20US-5420 | A: Inverter short-circuit | SHORT CIRCUIT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 29 | FC3 or 4 | 30.0 | A | 40030 | 01 | DcUnderVoltage | 20US-5421 | A: Inverter DC undervoltage | DC UNDER VOLTAGE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 30 | FC3 or 4 | 31.0 | A | 40031 | 01 | DcOverVoltage | 20US-5422 | A: Inverter DC overvoltage | DC OVER VOLTAGE | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 31 | FC3 or 4 | 32.0 | A | 40032 | 01 | PowerStackOverTemp | 20XA-5410 | A: Inverter stack fault | POWER STACK OVERTEMP | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 32 | FC3 or 4 | 33.0 | A | 40033 | 01 | SBSReady | 20RDY-5401 | I: Bypass ready | SBS READY | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 33 | FC3 or 4 | 34.0 | A | 40034 | 01 | SBSMainsFault | 20XA-5411 | W: Bypass mains fault | SBS MAINS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 34 | FC3 or 4 | 35.0 | A | 40035 | 01 | SBSBlocked | 20US-5423 | W: Bypass blocked | SBSB LOCKED | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 35 | FC3 or 4 | 36.0 | A | 40036 | 01 | RectifierOn | 20US-5424 | I: Rectifier on | RECTIFIER ON | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 36 | FC3 or 4 | 37.0 | A | 40037 | 01 | InverterOn | 20US-5425 | I: Inverter on | INVERTER ON | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 37 | FC3 or 4 | 38.0 | A | 40038 | 01 | SBSOn | 20US-5426 | I: Bypass on | SBS ON | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 38 | FC3 or 4 | 65.0 | A | 40065 | 01 | LIFE CHECK BIT | 20US-5443 | LIFE CHECK BIT | LIFE CHECK BIT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 39 | FC3 or 4 | 66.0 | A | 40066 | | Userdef_AUX1 – Rect. | 20UA-5404 | | USERDEF_AUX1 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 40 | FC3 or 4 | 67.0 | A | 40067 | | Userdef_AUX2 – Rect. | 20UA-5405 | | USERDEF_AUX2 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 41 | FC3 or 4 | 68.0 | A | 40068 | | Userdef_AUX3 – Rect. | 20UA-5406 | | USERDEF_AUX3 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 42 | FC3 or 4 | 69.0 | A | 40069 | | Userdef_AUX4 – Rect. | 20UA-5407 | | USERDEF_AUX4 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 43 | FC3 or 4 | 70.0 | A | 40070 | | Userdef_AUX5 – Rect. | 20UA-5408 | | USERDEF_AUX5 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 44 | FC3 or 4 | 71.0 | A | 40071 | | Userdef_AUX6 – Rect. | 20UA-5409 | | USERDEF_AUX6 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 45 | FC3 or 4 | 72.0 | A | 40072 | | Userdef_AUX7– Rect. | 20UA-5410 | | USERDEF_AUX7– RECT | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 46 | FC3 or 4 | 73.0 | A | 40073 | | Userdef_AUX1 – Inv. | 20UA-5411 | | USERDEF_AUX1 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 47 | FC3 or 4 | 74.0 | A | 40074 | | Userdef_AUX2 – Inv. | 20UA-5412 | | USERDEF_AUX2 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 48 | FC3 or 4 | 75.0 | A | 40075 | | Userdef_AUX3 – Inv. | 20UA-5413 | | USERDEF_AUX3 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 49 | FC3 or 4 | 76.0 | A | 40076 | | Userdef_AUX4 – Inv. | 20UA-5414 | | USERDEF_AUX4 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 50 | FC3 or 4 | 77.0 | A | 40077 | | Userdef_AUX5 – Inv. | 20UA-5415 | | USERDEF_AUX5 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 51 | FC3 or 4 | 78.0 | A | 40078 | | Userdef_AUX6 – Inv. | 20UA-5416 | | USERDEF_AUX6 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 52 | FC3 or 4 | 79.0 | A | 40079 | | Userdef_AUX7 – Inv. | 20UA-5417 | | USERDEF_AUX7 – INV | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 53 | FC3 or 4 | 80.0 | A | 40080 | | Userdef_AUX1 – SBS | 20UA-5418 | | USERDEF_AUX1 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 54 | FC3 or 4 | 81.0 | A | 40081 | | Userdef_AUX2 – SBS | 20UA-5419 | | USERDEF_AUX2 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 55 | FC3 or 4 | 82.0 | A | 40082 | | Userdef_AUX3 – SBS | 20UA-5420 | | USERDEF_AUX3 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 56 | FC3 or 4 | 83.0 | A | 40083 | | Userdef_AUX4 – SBS | 20UA-5421 | | USERDEF_AUX4 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 57 | FC3 or 4 | 84.0 | A | 40084 | | Userdef_AUX5 – SBS | 20UA-5422 | | USERDEF_AUX5 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 58 | FC3 or 4 | 85.0 | A | 40085 | | Userdef_AUX6 – SBS | 20UA-5423 | | USERDEF_AUX6 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |
| 59 | FC3 or 4 | 86.0 | A | 40086 | | Userdef_AUX7 – SBS | 20UA-5424 | | USERDEF_AUX7 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-A |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | FC3 or 4 , 6 | 1000.0 | A | 41000 | 1 | | | | | | | | FGS AC UPS-A |
| 61 | FC3 or 4 , 6 | 1000.01 | A | 41000 | 2 | ON | 20HS-5402 | ON | ON | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 62 | FC3 or 4 , 6 | 1000.02 | A | 41000 | 3 | OFF | 20HS-5403 | OFF | OFF | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 63 | FC3 or 4 , 6 | 1000.09 | A | 41000 | 10 | ACKNOWLEDGE FAULT | 20HS-5404 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 64 | FC3 or 4 , 6 | 1000.10 | A | 41000 | 11 | EQUALISING CHARGING | 20HS-5405 | EQUALISING CHARGING | EQUALISING CHARGING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 65 | FC3 or 4 , 6 | 1000.11 | A | 41000 | 12 | CHARGE | 20HS-5406 | CHARGE | CHARGE | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 66 | FC3 or 4 , 6 | 1000.12 | A | 41000 | 13 | TRICKLE CHARGING | 20HS-5407 | TRICKLE CHARGING | TRICKLE CHARGING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 67 | FC3 or 4 , 6 | 1001.0 | A | 41001 | 1 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 68 | FC3 or 4 , 6 | 1001.1 | A | 41001 | 2 | ON | 20HS-5416 | ON | ON | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 69 | FC3 or 4 , 6 | 1001.2 | A | 41001 | 3 | OFF | 20HS-5417 | OFF | OFF | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 70 | FC3 or 4 , 6 | 1001.03 | A | 41001 | 4 | Eco mode | 20HS-5418 | ECO MODE | ECO MODE | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 71 | FC3 or 4 , 6 | 1001.09 | A | 41001 | 10 | acknowledge fault | 20HS-5419 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 72 | FC3 or 4 , 6 | 1002.0 | A | 41002 | 1 | | | | | 16 Bit | Bit | Bit | AC UPS-A |
| 73 | FC3 or 4 , 6 | 1002.9 | A | 41002 | 10 | acknowledge fault | 20HS-5409 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | AC UPS-A |
| 74 | FC3 or 4 , 6 | 1003.0 | A | 41003 | 01 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 75 | FC3 or 4 , 6 | 1003.0x 01 | A | 41003 | 02 | Start test | 20HS-5411 | START TEST | START TEST | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 76 | FC3 or 4 , 6 | 1003.0x 02 | A | 41003 | 03 | Cancel test | 20HS-5412 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 77 | FC3 or 4 , 6 | 1003.0x 00 | A | 41003 | 04 | Test not implemented | 20US-5431 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 78 | FC3 or 4 , 6 | 1003.0x01 | A | 41003 | 05 | Test impl., waiting for approva | 20US-5432 | TEST IMPL WAITNG APPRV | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 79 | FC3 or 4 , 6 | 1003.0x02 | A | 41003 | 06 | Test approved | 20US-5433 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 80 | FC3 or 4 , 6 | 1003.0x03 | A | 41003 | 07 | Test running | 20US-5434 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 81 | FC3 or 4 , 6 | 1003.0x04 | A | 41003 | 08 | Test successful | 20US-5435 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 82 | FC3 or 4 , 6 | 1003.0x05 | A | 41003 | 09 | Test cancelled | 20US-5436 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 83 | FC3 or 4 , 6 | 1003.0x06 | A | 41003 | 10 | Test warning | 20UA-5425 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 84 | FC3 or 4 , 6 | 1003.0x07 | A | 41003 | 11 | Test error | 20XA-5415 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 85 | FC3 or 4 , 6 | 1004.0 | A | 41004 | 01 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 86 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 02 | Start test | 20HS-5413 | START TEST | START TEST | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 87 | FC3 or 4 , 6 | 1004.0x 01 | A | 41004 | 03 | Cancel test | 20HS-5414 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 88 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 04 | Test not implemented | 20US-5437 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 89 | FC3 or 4 , 6 | 1004.0x01 | A | 41004 | 05 | Test impl., waiting for approva | 20US-5438 | TEST IMPL WAITING FOR AP | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 90 | FC3 or 4 , 6 | 1004.0x02 | A | 41004 | 06 | Test approved | 20US-5439 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 91 | FC3 or 4 , 6 | 1004.0x03 | A | 41004 | 07 | Test running | 20US-5440 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 92 | FC3 or 4 , 6 | 1004.0x04 | A | 41004 | 08 | Test successful | 20US-5441 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 93 | FC3 or 4 , 6 | 1004.0x05 | A | 41004 | 09 | Test cancelled | 20US-5442 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 94 | FC3 or 4 , 6 | 1004.0x06 | A | 41004 | 10 | Test warning | 20UA-5426 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 95 | FC3 or 4 , 6 | 1004.0x07 | A | 41004 | 11 | Test error | 20XA-5416 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | FGS AC UPS-A |
| 96 | FC3 or 4 | 2.0 | A | 40002 | 01 | NonCriticalFault | 20UA-5451 | W: Collective warning | NON CRITICAL FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 97 | FC3 or 4 | 3.0 | A | 40003 | 01 | CriticalFault | 20XA-5451 | A: Collective alarm | CRITICAL FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 98 | FC3 or 4 | 4.0 | A | 40004 | 01 | Userdef_DigIn1Active | 20US-5457 | W: | USERDEF_DIGIN1ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 99 | FC3 or 4 | 5.0 | A | 40005 | 01 | Userdef_DigIn2Active | 20US-5458 | W: | USERDEF_DIGIN2ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 100 | FC3 or 4 | 6.0 | A | 40006 | 01 | Userdef_DigIn3Active | 20US-5459 | W: | USERDEF_DIGIN3ACTIVE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 101 | FC3 or 4 | 7.0 | A | 40007 | 01 | EmergencySwitchOff | 20US-5460 | A: UPS output off | EMERGENCYSWITCHOFF | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 102 | FC3 or 4 | 8.0 | A | 40008 | 01 | DouCanFault | 20XA-5452 | W: DOU CAN fault | DOU CAN FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 103 | FC3 or 4 | 9.0 | A | 40009 | 01 | MainsFault | 20XA-5453 | W: Rectifier/bypass mains fault | MAINS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 104 | FC3 or 4 | 10.0 | A | 40010 | 01 | RectifierWarning | 20US-5461 | W: Rectifier warning | RECTIFIER WARNING | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 105 | FC3 or 4 | 11.0 | A | 40011 | 01 | RectifierFault | 20XA-5454 | A: Rectifier fault | RECTIFIER FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 106 | FC3 or 4 | 12.0 | A | 40012 | 01 | BatteryAlarm | 20XA-5455 | A: Battery fault | BATTERY ALARM | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 107 | FC3 or 4 | 13.0 | A | 40013 | 01 | InverterWarning | 20US-5462 | W: Inverter warning | INVERTER WARNING | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 108 | FC3 or 4 | 14.0 | A | 40014 | 01 | InverterFault | 20XA-5456 | A: Inverter fault | INVERTER FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 109 | FC3 or 4 | 15.0 | A | 40015 | 01 | SBSWarning | 20US-5463 | W: Bypass warning | SBS WARNING | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 110 | FC3 or 4 | 16.0 | A | 40016 | 01 | SBSFault | 20XA-5457 | A: Bypass fault | SBS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 111 | FC3 or 4 | 17.0 | A | 40017 | 01 | EqualisingCharge | 20US-5464 | I: Charger status – equalising charging | EQUALISING CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 112 | FC3 or 4 | 18.0 | A | 40018 | 01 | Charge | 20UA-5477 | I: Charger status – charging | CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 113 | FC3 or 4 | 19.0 | A | 40019 | 01 | TrickleCharge | 20UA-5478 | I: Charger status – trickle charging | TRICKLE CHARGE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 114 | FC3 or 4 | 20.0 | A | 40020 | 01 | GenSetOperation | 20UA-5452 | I: Charger status: Em. power supply "**O**" | GENSET OPERATION | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 115 | FC3 or 4 | 21.0 | A | 40021 | 01 | BattTemp.SensFault | 20XA-5458 | W: Battery temp. sensor | BATT TEMP SENS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 116 | FC3 or 4 | 22.0 | A | 40022 | 01 | BatteryTemp.ToHigh | 20TA-5451 | W: Battery temp. too high | BATTERY TEMP TOHIGH | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 117 | FC3 or 4 | 23.0 | A | 40023 | 01 | CircuitBreaker | 20XS-5451 | W: Circuit-breaker tripped | CIRCUIT BREAKER | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 118 | FC3 or 4 | 24.0 | A | 40024 | 01 | BatteryWarning | 20US-5467 | W: Battery warning | BATTERY WARNING | 16 Bit | WORD | WORD | FGS AC UPS-B |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | FC3 or 4 | 25.0 | A | 40025 | 01 | BatteryLow | 20US-5468 | W: Battery undervoltage | BATTERY LOW | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 120 | FC3 or 4 | 26.0 | A | 40026 | 01 | Overload | 20US-5469 | W: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 121 | FC3 or 4 | 27.0 | A | 40027 | 01 | FanFault | 20XA-5459 | W: Fan fault | FAN FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 122 | FC3 or 4 | 28.0 | A | 40028 | 01 | Overload | 20UA-5453 | A: Inverter overload | OVERLOAD | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 123 | FC3 or 4 | 29.0 | A | 40029 | 01 | ShortCircuit | 20US-5470 | A: Inverter short-circuit | SHORT CIRCUIT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 124 | FC3 or 4 | 30.0 | A | 40030 | 01 | DcUnderVoltage | 20US-5471 | A: Inverter DC undervoltage | DC UNDER VOLTAGE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 125 | FC3 or 4 | 31.0 | A | 40031 | 01 | DcOverVoltage | 20US-5472 | A: Inverter DC overvoltage | DC OVER VOLTAGE | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 126 | FC3 or 4 | 32.0 | A | 40032 | 01 | PowerStackOverTemp | 20XA-5460 | A: Inverter stack fault | POWER STACK OVERTEMP | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 127 | FC3 or 4 | 33.0 | A | 40033 | 01 | SBSReady | 20RDY5451 | I: Bypass ready | SBS READY | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 128 | FC3 or 4 | 34.0 | A | 40034 | 01 | SBSMainsFault | 20XA-5461 | W: Bypass mains fault | SBS MAINS FAULT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 129 | FC3 or 4 | 35.0 | A | 40035 | 01 | SBSBlocked | 20US-5473 | W: Bypass blocked | SBSB LOCKED | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 130 | FC3 or 4 | 36.0 | A | 40036 | 01 | RectifierOn | 20US-5474 | I: Rectifier on | RECTIFIER ON | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 131 | FC3 or 4 | 37.0 | A | 40037 | 01 | InverterOn | 20US-5475 | I: Inverter on | INVERTER ON | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 132 | FC3 or 4 | 38.0 | A | 40038 | 01 | SBSOn | 20US-5476 | I: Bypass on | SBS ON | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 133 | FC3 or 4 | 65.0 | A | 40065 | 01 | LIFE CHECK BIT | 20US-5493 | LIFE CHECK BIT | LIFE CHECK BIT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 134 | FC3 or 4 | 66.0 | A | 40066 | | Userdef_AUX1 – Rect. | 20UA-5454 | | USERDEF_AUX1 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 135 | FC3 or 4 | 67.0 | A | 40067 | | Userdef_AUX2 – Rect. | 20UA-5455 | | USERDEF_AUX2 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 136 | FC3 or 4 | 68.0 | A | 40068 | | Userdef_AUX3 – Rect. | 20UA-5456 | | USERDEF_AUX3 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 137 | FC3 or 4 | 69.0 | A | 40069 | | Userdef_AUX4 – Rect. | 20UA-5457 | | USERDEF_AUX4 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 138 | FC3 or 4 | 70.0 | A | 40070 | | Userdef_AUX5 – Rect. | 20UA-5458 | | USERDEF_AUX5 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 139 | FC3 or 4 | 71.0 | A | 40071 | | Userdef_AUX6 – Rect. | 20UA-5459 | | USERDEF_AUX6 – RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 140 | FC3 or 4 | 72.0 | A | 40072 | | Userdef_AUX7– Rect. | 20UA-5460 | | USERDEF_AUX7– RECT | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 141 | FC3 or 4 | 73.0 | A | 40073 | | Userdef_AUX1 – Inv. | 20UA-5461 | | USERDEF_AUX1 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 142 | FC3 or 4 | 74.0 | A | 40074 | | Userdef_AUX2 – Inv. | 20UA-5462 | | USERDEF_AUX2 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 143 | FC3 or 4 | 75.0 | A | 40075 | | Userdef_AUX3 – Inv. | 20UA-5463 | | USERDEF_AUX3 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 144 | FC3 or 4 | 76.0 | A | 40076 | | Userdef_AUX4 – Inv. | 20UA-5464 | | USERDEF_AUX4 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 145 | FC3 or 4 | 77.0 | A | 40077 | | Userdef_AUX5 – Inv. | 20UA-5465 | | USERDEF_AUX5 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 146 | FC3 or 4 | 78.0 | A | 40078 | | Userdef_AUX6 – Inv. | 20UA-5466 | | USERDEF_AUX6 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 147 | FC3 or 4 | 79.0 | A | 40079 | | Userdef_AUX7 – Inv. | 20UA-5467 | | USERDEF_AUX7 – INV | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 148 | FC3 or 4 | 80.0 | A | 40080 | | Userdef_AUX1 – SBS | 20UA-5468 | | USERDEF_AUX1 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 149 | FC3 or 4 | 81.0 | A | 40081 | | Userdef_AUX2 – SBS | 20UA-5469 | | USERDEF_AUX2 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 150 | FC3 or 4 | 82.0 | A | 40082 | | Userdef_AUX3 – SBS | 20UA-5470 | | USERDEF_AUX3 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 151 | FC3 or 4 | 83.0 | A | 40083 | | Userdef_AUX4 – SBS | 20UA-5471 | | USERDEF_AUX4 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 152 | FC3 or 4 | 84.0 | A | 40084 | | Userdef_AUX5 – SBS | 20UA-5472 | | USERDEF_AUX5 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 153 | FC3 or 4 | 85.0 | A | 40085 | | Userdef_AUX6 – SBS | 20UA-5473 | | USERDEF_AUX6 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 154 | FC3 or 4 | 86.0 | A | 40086 | | Userdef_AUX7 – SBS | 20UA-5474 | | USERDEF_AUX7 – SBS | 16 Bit | WORD | WORD | FGS AC UPS-B |
| 155 | FC3 or 4 , 6 | 1000.0 | A | 41000 | 1 | | | | | | | | FGS AC UPS-B |
| 156 | FC3 or 4 , 6 | 1000.01 | A | 41000 | 2 | ON | 20HS-5452 | ON | ON | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 157 | FC3 or 4 , 6 | 1000.02 | A | 41000 | 3 | OFF | 20HS-5453 | OFF | OFF | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 158 | FC3 or 4 , 6 | 1000.09 | A | 41000 | 10 | ACKNOWLEDGE FAULT | 20HS-5454 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 159 | FC3 or 4 , 6 | 1000.10 | A | 41000 | 11 | EQUALISING CHARGING | 20HS-5455 | EQUALISING CHARGING | EQUALISING CHARGING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 160 | FC3 or 4 , 6 | 1000.11 | A | 41000 | 12 | CHARGE | 20HS-5456 | CHARGE | CHARGE | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 161 | FC3 or 4 , 6 | 1000.12 | A | 41000 | 13 | TRICKLE CHARGING | 20HS-5457 | TRICKLE CHARGING | TRICKLE CHARGING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 162 | FC3 or 4 , 6 | 1001.0 | A | 41001 | 1 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 163 | FC3 or 4 , 6 | 1001.1 | A | 41001 | 2 | ON | 20HS-5466 | ON | ON | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 164 | FC3 or 4 , 6 | 1001.2 | A | 41001 | 3 | OFF | 20HS-5467 | OFF | OFF | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 165 | FC3 or 4 , 6 | 1001.03 | A | 41001 | 4 | Eco mode | 20HS-5468 | ECO MODE | ECO MODE | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 166 | FC3 or 4 , 6 | 1001.09 | A | 41001 | 10 | acknowledge fault | 20HS-5469 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 167 | FC3 or 4 , 6 | 1002.0 | A | 41002 | 1 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 168 | FC3 or 4 , 6 | 1002.9 | A | 41002 | 10 | acknowledge fault | 20HS-5459 | ACKNOWLEDGE FAULT | ACKNOWLEDGE FAULT | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 169 | FC3 or 4 , 6 | 1003.0 | A | 41003 | 01 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 170 | FC3 or 4 , 6 | 1003.0x 01 | A | 41003 | 02 | Start test | 20HS-5461 | START TEST | START TEST | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 171 | FC3 or 4 , 6 | 1003.0x 02 | A | 41003 | 03 | Cancel test | 20HS-5462 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 172 | FC3 or 4 , 6 | 1003.0x 00 | A | 41003 | 04 | Test not implemented | 20US-5481 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 173 | FC3 or 4 , 6 | 1003.0x01 | A | 41003 | 05 | Test impl., waiting for approva | 20US-5482 | TEST IMPL WAITNG APPRV | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 174 | FC3 or 4 , 6 | 1003.0x02 | A | 41003 | 06 | Test approved | 20US-5483 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 175 | FC3 or 4 , 6 | 1003.0x03 | A | 41003 | 07 | Test running | 20US-5484 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 176 | FC3 or 4 , 6 | 1003.0x04 | A | 41003 | 08 | Test successful | 20US-5485 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 177 | FC3 or 4 , 6 | 1003.0x05 | A | 41003 | 09 | Test cancelled | 20US-5486 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 178 | FC3 or 4 , 6 | 1003.0x06 | A | 41003 | 10 | Test warning | 20UA-5475 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 179 | FC3 or 4 , 6 | 1003.0x07 | A | 41003 | 11 | Test error | 20XA-5465 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 180 | FC3 or 4 , 6 | 1004.0 | A | 41004 | 01 | | | | | 16 Bit | Bit | Bit | FGS AC UPS-B |

## AC -UPS FGS

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 02 | Start test | 20HS-5463 | START TEST | START TEST | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 182 | FC3 or 4 , 6 | 1004.0x 01 | A | 41004 | 03 | Cancel test | 20HS-5464 | CANCEL TEST | CANCEL TEST | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 183 | FC3 or 4 , 6 | 1004.0x 00 | A | 41004 | 04 | Test not implemented | 20US-5487 | TEST NOT IMPLEMENTED | TEST NOT IMPLEMENTED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 184 | FC3 or 4 , 6 | 1004.0x01 | A | 41004 | 05 | Test impl., waiting for approva | 20US-5488 | TEST IMPL WAITING FOR AP | TEST IMPL., WAITING FOR APPROVA | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 185 | FC3 or 4 , 6 | 1004.0x02 | A | 41004 | 06 | Test approved | 20US-5489 | TEST APPROVED | TEST APPROVED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 186 | FC3 or 4 , 6 | 1004.0x03 | A | 41004 | 07 | Test running | 20US-5490 | TEST RUNNING | TEST RUNNING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 187 | FC3 or 4 , 6 | 1004.0x04 | A | 41004 | 08 | Test successful | 20US-5491 | TEST SUCCESSFUL | TEST SUCCESSFUL | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 188 | FC3 or 4 , 6 | 1004.0x05 | A | 41004 | 09 | Test cancelled | 20US-5492 | TEST CANCELLED | TEST CANCELLED | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 189 | FC3 or 4 , 6 | 1004.0x06 | A | 41004 | 10 | Test warning | 20UA-5476 | TEST WARNING | TEST WARNING | 16 Bit | Bit | Bit | FGS AC UPS-B |
| 190 | FC3 or 4 , 6 | 1004.0x07 | A | 41004 | 11 | Test error | 20XA-5466 | TEST ERROR | TEST ERROR | 16 Bit | Bit | Bit | FGS AC UPS-B |

## CI Server Modbus

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 OR 4 | 00001 | A | 40001 | - | | 1=87-XA-082 server panel supply and dode<br>2= 87-XA-083 server panel Cumulative Breaker Fault<br>4= 87-XA-084 =Server pane High temperature Alarm | | 0 | 65535 | | | | | | 0 | 65535 | 16 Bit | UINT | WORD | Cabinet alarms |

## WATER TREATMENT PACKAGE

| No. | MODBUS Device Type | Vendor MODBUS Address | DCS Function Code | PCS MODBUS Address | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Cal. Range Min. Value | Cal. Range Max. Value | Engg. Unit | Alarm LL | Alarm L | Alarm H | Alarm HH | MB Raw Data count Min. | MB Raw Data count Max. | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FC3 | 40001 | A | 40001 | _50AT020A | 50AI-020A | H2 gas detection in container | H2 GAS DETECTION CONTNR | 0 | 100 | %LEL | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 2 | FC3 | 40003 | A | 40003 | _50AT020B | 50AI-020B | H2 gas detection in container | H2 GAS DETECTION CONTNR | 0 | 100 | %LEL | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 3 | FC3 | 40005 | A | 40005 | _50AT020C | 50AI-020C | H2 gas detection in container | H2 GAS DETECTION CONTNR | 0 | 100 | %LEL | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 4 | FC3 | 40007 | A | 40007 | _50AT023 | 50AI-023 | Filtered seawater conductivity to P-50003A/B | FLT SEAWTR CNDTY P50003A | 0 | 80000 | uS/cm | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 5 | FC3 | 40009 | A | 40009 | _50AT024 | 50AI-024 | Fresh water conductivity from A-50007A/B | FRSH WTR CNDTY A50007A/B | 0 | 1000 | uS/cm | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 6 | FC3 | 40011 | A | 40011 | _50AT026 | 50AI-026 | Fresh water outlet total hardness | FRSH WTR OLHARDNES CaCO3 | 0 | 25 | PPM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 7 | FC3 | 40013 | A | 40013 | _50AT027 | 50AI-027 | Fresh water outlet pH | FRESH WTR OL PH | 0 | 14 | PH | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 8 | FC3 | 40015 | A | 40015 | _50FT020 | 50FI-020 | Seawater flow to S-50001 | SEAWTR FLOW - S-50001 | 0 | 8 | M3/H | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 9 | FC3 | 40019 | A | 40019 | _50FT022 | 50FI-022 | Filtered seawater flow from P-50003A | FLT SEAWTR FLOW P-50003A | 0 | 4 | M3/H | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 10 | FC3 | 40021 | A | 40021 | _50FT023 | 50FI-023 | Filtered seawater flow from P-50003B | FLT SEAWTR FLOW P50003B | 0 | 2 | M3/H | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 11 | FC3 | 40023 | A | 40023 | _50FT024 | 50FI-024 | Fresh water flow from A-50007A/B | FRSH WTR FLW A-50007A/B | 0 | 2 | M3/H | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 12 | FC3 | 40017 | A | 40017 | _50FT026 | 50FI-026 | Fresh water outlet flow | FRESH WTR OL FLOW | 0 | 100 | %L | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 13 | FC3 | 40025 | A | 40025 | _50LT020 | 50LI-020 | T-50006 level | T-50006 LEVEL | 0 | 1800 | MM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 14 | FC3 | 40027 | A | 40027 | _50LT021 | 50LI-021 | T-50008 level | T-50008 LEVEL | 0 | 1800 | MM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 15 | FC3 | 40029 | A | 40029 | _50LT022 | 50LI-022 | T-50002 level | T-50002 LEVEL | 0 | 1000 | MM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 16 | FC3 | 40031 | A | 40031 | _50LT023 | 50LI-023 | T-50003 level | T-50003 LEVEL | 0 | 500 | MM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 17 | FC3 | 40033 | A | 40033 | _50LT024 | 50LI-024 | T-50004 level | T-50004 LEVEL | 0 | 1000 | MM | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 18 | FC3 | 40035 | A | 40035 | _50PDT023 | 50PDI-023 | dP across S-50001 | DP ACROSS S-50001 | 0 | 1 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 19 | FC3 | 40037 | A | 40037 | _50PT020 | 50PI-020 | Seawater inlet pressure | SEAWTR IL PR | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 20 | FC3 | 40039 | A | 40039 | _50PT025 | 50PI-025 | Filtered seawater pressure from P-50003A | FLT SEAWTR PR - P-50003A | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 21 | FC3 | 40041 | A | 40041 | _50PT026 | 50PI-026 | Filtered seawater pressure to P-50004A | FLT SEAWTR PR - P-50004A | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 22 | FC3 | 40043 | A | 40043 | _50PT027 | 50PI-027 | Filtered seawater pressure from P-50003B | FLT SEAWTR PR - P-50003B | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 23 | FC3 | 40045 | A | 40045 | _50PT028 | 50PI-028 | Filtered seawater pressure to P-50004B | FLT SEAWTR PR - P-50004B | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 24 | FC3 | 40047 | A | 40047 | _50PT030 | 50PI-030 | Filtered seawater pressure from P-50004A | FLT SEAWTR PR - P-50004A | 0 | 100 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 25 | FC3 | 40049 | A | 40049 | _50PT032 | 50PI-032 | Filtered seawater pressure from P-50004B | FLT SEAWTR PR - P-50004B | 0 | 100 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 26 | FC3 | 40051 | A | 40051 | _50PT041 | 50PI-041 | Fresh water outlet pressure | FRESH WTR OL PR | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 27 | FC3 | 40053 | A | 40053 | _50PT047 | 50PI-047 | Softening filter inlet pressure | SOFTENING FLT IL PR | 0 | 6 | bar | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 28 | FC3 | 40055 | A | 40055 | _50SIP50004A | 50SIP-5004A | HP pump speed feedback | HP PMP SPEED FEEDBACK | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 29 | FC3 | 40057 | A | 40057 | _50SIP50004B | 50SIP-5004B | HP pump speed feedback | HP PMP SPEED FEEDBACK | 0 | 100 | % | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 30 | FC3 | 40059 | A | 40059 | _50TT021 | 50TI-021 | Seawater temperature from H-50001 | SEAWTR TMP - H-50001 | 0 | 50 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 31 | FC3 | 40061 | A | 40061 | _50TT022 | 50TI-022 | Seawater temperature from H-50001 | SEAWTR TMP - H-50001 | 0 | 50 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 32 | FC3 | 40063 | A | 40063 | _50TT023 | 50TI-023 | Ambient air temperature inside container | AMBT AIR TMP INSIDE CONT | 0 | 50 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |
| 33 | FC3 | 40065 | A | 40065 | _50TT024 | 50TI-024 | Fresh water outlet temperature | FRESH WTR OL TMP | 0 | 50 | degC | | | | | 0 | 65535 | 16 Bit | UINT | | |

## WATER TREATMENT PACKAGE

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FC3 | 40101 | A | 40101 | 0 | _50AT023_H | 50AI023-H | Filtered seawater conductivity to P-50003A/B high | FLTED SEAWTRP50003A_B HI | 16 Bit | Bit | Bit | |
| 2 | FC3 | 40101 | A | 40101 | 1 | _50AT024_H | 50AI024-H | Fresh water conductivity from A-50007A/B high | A50007A_B CNDTY HI | 16 Bit | Bit | Bit | |
| 3 | FC3 | 40101 | A | 40101 | 2 | _50AT024_HH | 50AI024-HH | Fresh water conductivity from A-50007A/B very high | A50007A_B CNDTY HH | 16 Bit | Bit | Bit | |
| 4 | FC3 | 40101 | A | 40101 | 3 | _50AT026_H | 50AI026-H | Fresh water outlet total hardness high | FRSH WTR OL HARDNESS HI | 16 Bit | Bit | Bit | |
| 5 | FC3 | 40101 | A | 40101 | 4 | _50AT026_HH | 50AI026-HH | Fresh water outlet total hardness very high | FRSH WTR OL HARDNESS HH | 16 Bit | Bit | Bit | |
| 6 | FC3 | 40101 | A | 40101 | 5 | _50AT027_LL | 50AI027-LL | Fresh water outlet pH very low | FRSH WTR OL PH VERY LO | 16 Bit | Bit | Bit | |
| 7 | FC3 | 40101 | A | 40101 | 6 | _50AT027_L | 50AI027-L | Fresh water outlet pH low | FRSH WTR OL PH LO | 16 Bit | Bit | Bit | |
| 8 | FC3 | 40101 | A | 40101 | 7 | _50AT027_H | 50AI027-H | Fresh water outlet pH high | FRSH WTR OL PH HI | 16 Bit | Bit | Bit | |
| 9 | FC3 | 40101 | A | 40101 | 8 | _50AT027_HH | 50AI027-HH | Fresh water outlet pH very high | FRSH WTR OL PH HH | 16 Bit | Bit | Bit | |
| 10 | FC3 | 40101 | A | 40101 | 9 | _50FT020_L | 50FI020-L | Seawater flow to S-50001 low | SEAWTR FLW - S50001 LO | 16 Bit | Bit | Bit | |
| 11 | FC3 | 40101 | A | 40101 | 10 | _50FT020_H | 50FI020-H | Seawater flow to S-50001 high | SEAWTR FLW - S50001 HI | 16 Bit | Bit | Bit | |
| 12 | FC3 | 40101 | A | 40101 | 11 | _50FT022_L | 50FI022-L | Filtered seawater flow from P-50003A low | FLTED SEAWTRP50003A LO | 16 Bit | Bit | Bit | |
| 13 | FC3 | 40101 | A | 40101 | 12 | _50FT022_H | 50FI022-H | Filtered seawater flow from P-50003A high | FLTED SEAWTRP50003A HI | 16 Bit | Bit | Bit | |
| 14 | FC3 | 40101 | A | 40101 | 13 | _50FT023_L | 50FI023-L | Filtered seawater flow from P-50003B low | FLTED SEAWTRP50003A LO | 16 Bit | Bit | Bit | |
| 15 | FC3 | 40101 | A | 40101 | 14 | _50FT023_H | 50FI023-H | Filtered seawater flow from P-50003B high | FLTED SEAWTRP50003A HI | 16 Bit | Bit | Bit | |
| 16 | FC3 | 40101 | A | 40101 | 15 | _50FT024_L | 50FI024-L | Fresh water flow from A-50007A/B low | FRSH WTR FLWA50007A_B LO | 16 Bit | Bit | Bit | |
| 17 | FC3 | 40102 | A | 40102 | 0 | _50FT026_L | 50FI026-L | Fresh water outlet flow low | FRSH WTR OL FLW LO | 16 Bit | Bit | Bit | |
| 18 | FC3 | 40102 | A | 40102 | 1 | _50LT020_LL | 50LI020-LL | T-50006 level very low | T50006 LEVEL VERY LOW | 16 Bit | Bit | Bit | |
| 19 | FC3 | 40102 | A | 40102 | 2 | _50LT020_L | 50LI020-L | T-50006 level low | T50006 LEVEL LOW | 16 Bit | Bit | Bit | |
| 20 | FC3 | 40102 | A | 40102 | 3 | _50LT020_H | 50LI020-H | T-50006 level high | T50006 LEVEL HIGH | 16 Bit | Bit | Bit | |
| 21 | FC3 | 40102 | A | 40102 | 4 | _50LT021_LL | 50LI021-LL | T-50008 level very low | T50008 LEVEL VERY LOW | 16 Bit | Bit | Bit | |
| 22 | FC3 | 40102 | A | 40102 | 5 | _50LT021_L | 50LI021-L | T-50008 level low | T50008 LEVEL LOW | 16 Bit | Bit | Bit | |
| 23 | FC3 | 40102 | A | 40102 | 6 | _50LT021_H | 50LI021-H | T-50008 level high | T50008 LEVEL HIGH | 16 Bit | Bit | Bit | |
| 24 | FC3 | 40102 | A | 40102 | 7 | _50LT022_LL | 50LI022-LL | T-50002 level very low | T50002 LEVEL VERY LOW | 16 Bit | Bit | Bit | |
| 25 | FC3 | 40102 | A | 40102 | 8 | _50LT022_L | 50LI022-L | T-50002 level low | T50002 LEVEL LOW | 16 Bit | Bit | Bit | |
| 26 | FC3 | 40102 | A | 40102 | 9 | _50LT023_LL | 50LI023-LL | T-50003 level very low | T50003 LEVEL VERY LOW | 16 Bit | Bit | Bit | |
| 27 | FC3 | 40102 | A | 40102 | 10 | _50LT023_LL | 50LI023-L | T-50003 level low | T50003 LEVEL LOW | 16 Bit | Bit | Bit | |
| 28 | FC3 | 40102 | A | 40102 | 11 | _50LT024_LL | 50LI024-LL | T-50004 level very low | T50004 LEVEL VERY LOW | 16 Bit | Bit | Bit | |
| 29 | FC3 | 40102 | A | 40102 | 12 | _50LT024_L | 50LI024-L | T-50004 level low | T50004 LEVEL LOW | 16 Bit | Bit | Bit | |
| 30 | FC3 | 40102 | A | 40102 | 13 | _50PDT023_H | 50PDI023-H | dP across S-50001 high | DP ACROSS S50001 HIGH | 16 Bit | Bit | Bit | |
| 31 | FC3 | 40102 | A | 40102 | 14 | _50PT020_L | 50PI020-L | Seawater inlet pressure low | SEAWTR IL PRS LO | 16 Bit | Bit | Bit | |
| 32 | FC3 | 40102 | A | 40102 | 15 | _50PT025_L | 50PI025-L | Filtered seawater pressure from P-50003A low | FLTED SEAWTR P50003A LO | 16 Bit | Bit | Bit | |
| 33 | FC3 | 40103 | A | 40103 | 0 | _50PT026_L | 50PI026-L | Filtered seawater pressure to P-50004A low | FLTED SEAWTR- P50004A LO | 16 Bit | Bit | Bit | |
| 34 | FC3 | 40103 | A | 40103 | 1 | _50PT027_L | 50PI027-L | Filtered seawater pressure from P-50003B low | FLTED SEAWTR P50003B LO | 16 Bit | Bit | Bit | |
| 35 | FC3 | 40103 | A | 40103 | 2 | _50PT028_L | 50PI028-L | Filtered seawater pressure to P-50004B low | FLTED SEAWTR- P50004B LO | 16 Bit | Bit | Bit | |
| 36 | FC3 | 40103 | A | 40103 | 3 | _50PT030_L | 50PI030-L | Filtered seawater pressure from P-50004A low | FLTED SEAWTR P50004A LO | 16 Bit | Bit | Bit | |
| 37 | FC3 | 40103 | A | 40103 | 4 | _50PT030_H | 50PI030-H | Filtered seawater pressure from P-50004A high | FLTED SEAWTR P50004A HI | 16 Bit | Bit | Bit | |
| 38 | FC3 | 40103 | A | 40103 | 5 | _50PT032_L | 50PI032-L | Filtered seawater pressure from P-50004B low | FLTED SEAWTR P50004B LO | 16 Bit | Bit | Bit | |
| 39 | FC3 | 40103 | A | 40103 | 6 | _50PT032_H | 50PI032-H | Filtered seawater pressure from P-50004B high | FLTED SEAWTR P50004B HI | 16 Bit | Bit | Bit | |
| 40 | FC3 | 40103 | A | 40103 | 7 | _50PT041_L | 50PI041-L | Fresh water outlet pressure low | FRSH WTR OL PRS LO | 16 Bit | Bit | Bit | |
| 41 | FC3 | 40103 | A | 40103 | 8 | _50PT041_H | 50PI041-H | Fresh water outlet pressure high | FRSH WTR OL PRS HI | 16 Bit | Bit | Bit | |
| 42 | FC3 | 40103 | A | 40103 | 9 | _50PT047_L | 50PI047-L | Softening filter inlet pressure low | SOFTN FLT ILPRS LO | 16 Bit | Bit | Bit | |
| 43 | FC3 | 40103 | A | 40103 | 10 | _50PT047_H | 50PI047-H | Softening filter inlet pressure high | SOFTN FLT ILPRS HI | 16 Bit | Bit | Bit | |
| 44 | FC3 | 40103 | A | 40103 | 11 | _50TT022_L | 50TI022-L | Seawater temperature from H-50001 low | SEAWTR TMP FRM H50001 LO | 16 Bit | Bit | Bit | |
| 45 | FC3 | 40103 | A | 40103 | 12 | _50TT022_H | 50TI022-H | Seawater temperature from H-50001 high | SEAWTR TMP FRM H50001 HI | 16 Bit | Bit | Bit | |
| 46 | FC3 | 40103 | A | 40103 | 13 | _50TT022_HH | 50TI022-HH | Seawater temperature from H-50001 very high | SEAWTR TMP H50001 HH | 16 Bit | Bit | Bit | |
| 47 | FC3 | 40111 | A | 40111 | 0 | _50XV020_O | 50XV-020_O | Seawater inlet valve open | SEAWTR IL VLV OPN | 16 Bit | Bit | Bit | |
| 48 | FC3 | 40111 | A | 40111 | 1 | _50XV020_C | 50XV-020_C | Seawater inlet valve closed | SEAWTR IL VLV CLS | 16 Bit | Bit | Bit | |
| 49 | FC3 | 40111 | A | 40111 | 2 | _50XV020_F | 50XV-020_FALM | Seawater inlet valve failure | SEAWTR IL VLV FAIL | 16 Bit | Bit | Bit | |
| 50 | FC3 | 40111 | A | 40111 | 3 | _50XV021_O | 50XV-021_O | P-50003A suction valve open | P50003A SUCTVLV OPN | 16 Bit | Bit | Bit | |
| 51 | FC3 | 40111 | A | 40111 | 4 | _50XV021_C | 50XV-021_C | P-50003A suction valve closed | P50003A SUCTVLV CLS | 16 Bit | Bit | Bit | |
| 52 | FC3 | 40111 | A | 40111 | 5 | _50XV021_F | 50XV-021_FALM | P-50003A suction valve failure | P50003A SUCTVLV FAIL | 16 Bit | Bit | Bit | |
| 53 | FC3 | 40111 | A | 40111 | 6 | _50XV022_O | 50XV-022_O | P-50003B suction valve open | P50003B SUCTVLV OPN | 16 Bit | Bit | Bit | |
| 54 | FC3 | 40111 | A | 40111 | 7 | _50XV022_C | 50XV-022_C | P-50003B suction valve closed | P50003B SUCTVLV CLS | 16 Bit | Bit | Bit | |
| 55 | FC3 | 40111 | A | 40111 | 8 | _50XV022_F | 50XV-022_FALM | P-50003B suction valve failure | P50003B SUCTVLV FAIL | 16 Bit | Bit | Bit | |
| 56 | FC3 | 40111 | A | 40111 | 9 | _50XV023_O | 50XV-023_O | P-50003A flushing valve open | P50003A FLSHVLV OPN | 16 Bit | Bit | Bit | |
| 57 | FC3 | 40111 | A | 40111 | 10 | _50XV023_C | 50XV-023_C | P-50003A flushing valve closed | P50003A FLSHVLV CLS | 16 Bit | Bit | Bit | |
| 58 | FC3 | 40111 | A | 40111 | 11 | _50XV023_F | 50XV-023_FALM | P-50003A flushing valve failure | P50003A FLSHVLV FAIL | 16 Bit | Bit | Bit | |
| 59 | FC3 | 40111 | A | 40111 | 12 | _50XV024_O | 50XV-024_O | P-50003B flushing valve open | P50003B FLSHVLV OPN | 16 Bit | Bit | Bit | |
| 60 | FC3 | 40111 | A | 40111 | 13 | _50XV024_C | 50XV-024_C | P-50003B flushing valve closed | P50003B FLSHVLV CLS | 16 Bit | Bit | Bit | |
| 61 | FC3 | 40111 | A | 40111 | 14 | _50XV024_F | 50XV-024_FALM | P-50003B flushing valve failure | P50003B FLSHVLV FAIL | 16 Bit | Bit | Bit | |
| 62 | FC3 | 40111 | A | 40111 | 15 | _50XV025_O | 50XV-025_O | Fresh water from A-50007A/B valve open | A50007A_B VLV OPN | 16 Bit | Bit | Bit | |
| 63 | FC3 | 40112 | A | 40112 | 0 | _50XV025_C | 50XV-025_C | Fresh water from A-50007A/B valve closed | A50007A_B VLV CLS | 16 Bit | Bit | Bit | |
| 64 | FC3 | 40112 | A | 40112 | 1 | _50XV025_F | 50XV-025_FALM | Fresh water from A-50007A/B valve failure | A50007A_B VLV FAIL | 16 Bit | Bit | Bit | |
| 65 | FC3 | 40112 | A | 40112 | 2 | _50XV026_O | 50XV-026_O | Fresh water drain from A-50007A/B valve open | FRSH WTR DRNA50007AB OPN | 16 Bit | Bit | Bit | |
| 66 | FC3 | 40112 | A | 40112 | 3 | _50XV026_C | 50XV-026_C | Fresh water drain from A-50007A/B valve closed | FRSH WTR DRNA50007AB CLS | 16 Bit | Bit | Bit | |
| 67 | FC3 | 40112 | A | 40112 | 4 | _50XV026_F | 50XV-026_FALM | Fresh water drain from A-50007A/B valve failure | FRSH WTR DRNA50007AB FAL | 16 Bit | Bit | Bit | |
| 68 | FC3 | 40112 | A | 40112 | 5 | _50XV027_O | 50XV-027_O | Brine from A-50007A valve open | BRN VLV A50007A OPN | 16 Bit | Bit | Bit | |
| 69 | FC3 | 40112 | A | 40112 | 6 | _50XV027_C | 50XV-027_C | Brine from A-50007A valve closed | BRN VLV A50007A CLS | 16 Bit | Bit | Bit | |
| 70 | FC3 | 40112 | A | 40112 | 7 | _50XV027_F | 50XV-027_FALM | Brine from A-50007A valve failure | BRN VLV A50007A FAIL | 16 Bit | Bit | Bit | |
| 71 | FC3 | 40112 | A | 40112 | 8 | _50XV028_O | 50XV-028_O | Fresh water from A-50007B valve open | FRSH WTR VLVA50007B OPN | 16 Bit | Bit | Bit | |
| 72 | FC3 | 40112 | A | 40112 | 9 | _50XV028_C | 50XV-028_C | Fresh water from A-50007B valve closed | FRSH WTR VLVA50007B CLS | 16 Bit | Bit | Bit | |
| 73 | FC3 | 40112 | A | 40112 | 10 | _50XV028_F | 50XV-028_FALM | Fresh water from A-50007B valve failure | FRSH WTR VLVA50007B FAIL | 16 Bit | Bit | Bit | |
| 74 | FC3 | 40112 | A | 40112 | 11 | _50XV029_O | 50XV-029_O | Fresh water drain from A-50007B valve open | FRSH WTR DRNA50007B OPN | 16 Bit | Bit | Bit | |
| 76 | FC3 | 40112 | A | 40112 | 12 | _50XV029_C | 50XV-029_C | Fresh water drain from A-50007B valve closed | FRSH WTR DRNA50007B CLS | 16 Bit | Bit | Bit | |
| 77 | FC3 | 40112 | A | 40112 | 13 | _50XV029_F | 50XV-029_FALM | Fresh water drain from A-50007B valve failure | FRSH WTR DRNA50007B FAIL | 16 Bit | Bit | Bit | |
| 78 | FC3 | 40112 | A | 40112 | 14 | _50XV030_O | 50XV-030_O | Brine from A-50007B valve open | BRN VLV A50007B OPN | 16 Bit | Bit | Bit | |
| 79 | FC3 | 40112 | A | 40112 | 15 | _50XV030_C | 50XV-030_C | Brine from A-50007B valve closed | BRN VLV A50007B CLS | 16 Bit | Bit | Bit | |
| 80 | FC3 | 40113 | A | 40113 | 0 | _50XV030_F | 50XV-030_FALM | Brine from A-50007B valve failure | BRN VLV A50007B FAIL | 16 Bit | Bit | Bit | |
| 81 | FC3 | 40113 | A | 40113 | 1 | _50XV031_O | 50XV-031_O | Fresh water outlet valve open | FRSH WTR OL VLV OPN | 16 Bit | Bit | Bit | |
| 82 | FC3 | 40113 | A | 40113 | 2 | _50XV031_C | 50XV-031_C | Fresh water outlet valve closed | FRSH WTR OL VLV CLS | 16 Bit | Bit | Bit | |
| 83 | FC3 | 40113 | A | 40113 | 3 | _50XV031_F | 50XV-031_FALM | Fresh water outlet valve failure | FRSH WTR OL VLV FAIL | 16 Bit | Bit | Bit | |
| 84 | FC3 | 40113 | A | 40113 | 4 | _50XV032_O | 50XV-032_O | Fresh water off-spec valve open | FRSH WTR VLVOFFSPEC OPN | 16 Bit | Bit | Bit | |
| 85 | FC3 | 40113 | A | 40113 | 5 | _50XV032_C | 50XV-032_C | Fresh water off-spec valve closed | FRSH WTR VLVOFFSPEC CLS | 16 Bit | Bit | Bit | |
| 86 | FC3 | 40113 | A | 40113 | 6 | _50XV032_F | 50XV-032_FALM | Fresh water off-spec valve failure | FRSH WTR VLVOFFSPEC FAIL | 16 Bit | Bit | Bit | |
| 87 | FC3 | 40121 | A | 40121 | 0 | _50P50002A_R | 50P50002A_R | Backwash pump running | BCK WSH PMP RUNNING | 16 Bit | Bit | Bit | |

## WATER TREATMENT PACKAGE

| No. | MODBUS Device Type | Vendor MODBUS Address | PCS Function Code | PCS MODBUS Address | PCS MODBUS Address BIT | Vendor Tag Name | PCS Tag Name | Vendor Tag Description | PCS Tag Description (Tag comment1- 12 char, Tag comment2- 12 Char) | Data Size | PCS Data Type | Vendor Data Type | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | FC3 | 40121 | A | 40121 | 1 | _50P50002A_F | 50P50002A_FALM | Backwash pump failure | BCK WSH PMP FAILURE | 16 Bit | Bit | Bit | |
| 89 | FC3 | 40121 | A | 40121 | 2 | _50P50002B_R | 50P50002B_R | Backwash pump running | BCK WSH PMP RUNNING | 16 Bit | Bit | Bit | |
| 90 | FC3 | 40121 | A | 40121 | 3 | _50P50002B_F | 50P50002B_FALM | Backwash pump failure | BCK WSH PMP FAILURE | 16 Bit | Bit | Bit | |
| 91 | FC3 | 40121 | A | 40121 | 4 | _50P50003A_R | 50P50003A_R | SW booster pump running | SW BSTR PMP RUNNING | 16 Bit | Bit | Bit | |
| 92 | FC3 | 40121 | A | 40121 | 5 | _50P50003A_F | 50P50003A_FALM | SW booster pump failure | SW BSTR PMP FAILURE | 16 Bit | Bit | Bit | |
| 93 | FC3 | 40121 | A | 40121 | 6 | _50P50003B_R | 50P50003B_R | SW booster pump running | SW BSTR PMP RUNNING | 16 Bit | Bit | Bit | |
| 94 | FC3 | 40121 | A | 40121 | 7 | _50P50003B_F | 50P50003B_FALM | SW booster pump failure | SW BSTR PMP FAILURE | 16 Bit | Bit | Bit | |
| 95 | FC3 | 40121 | A | 40121 | 8 | _50P50004A_R | 50P50004A_R | HP pump running | HP PMP RUNNING | 16 Bit | Bit | Bit | |
| 96 | FC3 | 40121 | A | 40121 | 9 | _50P50004A_F | 50P50004A_FALM | HP pump failure | HP PMP FAILURE | 16 Bit | Bit | Bit | |
| 97 | FC3 | 40121 | A | 40121 | 10 | _50P50004B_R | 50P50004B_R | HP pump running | HP PMP RUNNING | 16 Bit | Bit | Bit | |
| 98 | FC3 | 40121 | A | 40121 | 11 | _50P50004B_F | 50P50004B_FALM | HP pump failure | HP PMP FAILURE | 16 Bit | Bit | Bit | |
| 99 | FC3 | 40121 | A | 40121 | 12 | _50P50005A_R | 50P50005A_R | Caustic soda dosing pump running | CAUSTIC SODADOSING PMP | 16 Bit | Bit | Bit | |
| 100 | FC3 | 40121 | A | 40121 | 13 | _50P50005A_F | 50P50005A_FALM | Caustic soda dosing pump failure | CAUSTIC SODADSING PMP FL | 16 Bit | Bit | Bit | |
| 101 | FC3 | 40121 | A | 40121 | 14 | _50P50005B_R | 50P50005B_R | Caustic soda dosing pump running | CAUSTIC SODADOSING PMP | 16 Bit | Bit | Bit | |
| 102 | FC3 | 40121 | A | 40121 | 15 | _50P50005B_F | 50P50005B_FALM | Caustic soda dosing pump failure | CAUSTIC SODADSING PMP FL | 16 Bit | Bit | Bit | |
| 103 | FC3 | 40122 | A | 40122 | 0 | _50P50006A_R | 50P50006A_R | Antiscalant dosing pump running | ANTISCALANT DOSING PMP | 16 Bit | Bit | Bit | |
| 104 | FC3 | 40122 | A | 40122 | 1 | _50P50006A_F | 50P50006A_FALM | Antiscalant dosing pump failure | ANTISCALANT DSING PMP FL | 16 Bit | Bit | Bit | |
| 105 | FC3 | 40122 | A | 40122 | 2 | _50P50006B_R | 50P50006B_R | Antiscalant dosing pump running | ANTISCALANT DOSING PMP | 16 Bit | Bit | Bit | |
| 106 | FC3 | 40122 | A | 40122 | 3 | _50P50006B_F | 50P50006B_FALM | Antiscalant dosing pump failure | ANTISCALANT DSING PMP FL | 16 Bit | Bit | Bit | |
| 107 | FC3 | 40122 | A | 40122 | 4 | _50P50007A_R | 50P50007A_R | Non-oxidant biocide dosing pump - container inlet running | BIOCIDE DSNGPMPCONTNR IL | 16 Bit | Bit | Bit | |
| 108 | FC3 | 40122 | A | 40122 | 5 | _50P50007A_F | 50P50007A_FALM | Non-oxidant biocide dosing pump - container inlet failure | BIOCID DSNG CNTR IL FAIL | 16 Bit | Bit | Bit | |
| 109 | FC3 | 40122 | A | 40122 | 6 | _50P50007B_R | 50P50007B_R | Non-oxidant biocide dosing pump - container inlet running | BIOCIDE DSNGPMPCONTNR IL | 16 Bit | Bit | Bit | |
| 110 | FC3 | 40122 | A | 40122 | 7 | _50P50007B_F | 50P50007B_FALM | Non-oxidant biocide dosing pump - container inlet failure | BIOCID DSNG CNTR IL FAIL | 16 Bit | Bit | Bit | |
| 111 | FC3 | 40122 | A | 40122 | 8 | _50P50008A_R | 50P50008A_R | Non-oxidant biocide dosing pump - sea water intake running | BIOCID DSNG PMP SWTR IN | 16 Bit | Bit | Bit | |
| 112 | FC3 | 40122 | A | 40122 | 9 | _50P50008A_F | 50P50008A_FALM | Non-oxidant biocide dosing pump - sea water intake failure | BIOCIDE DSNG SWTR IN F | 16 Bit | Bit | Bit | |
| 113 | FC3 | 40122 | A | 40122 | 10 | _50P50008B_R | 50P50008B_R | Non-oxidant biocide dosing pump - sea water intake running | BIOCID DSNG PMP SWTR IN | 16 Bit | Bit | Bit | |
| 114 | FC3 | 40122 | A | 40122 | 11 | _50P50008B_F | 50P50008B_FALM | Non-oxidant biocide dosing pump - sea water intake failure | BIOCIDE DSNG SWTR IN F | 16 Bit | Bit | Bit | |
| 115 | FC3 | 40122 | A | 40122 | 12 | _50P50009A_R | 50P50009A_R | Fresh water pump running | FRSH WTR PMP RUNNING | 16 Bit | Bit | Bit | |
| 116 | FC3 | 40122 | A | 40122 | 13 | _50P50009A_F | 50P50009A_FALM | Fresh water pump failure | FRSH WTR PMP FAILURE | 16 Bit | Bit | Bit | |
| 117 | FC3 | 40122 | A | 40122 | 14 | _50P50009B_R | 50P50009B_R | Fresh water pump running | FRSH WTR PMP RUNNING | 16 Bit | Bit | Bit | |
| 118 | FC3 | 40122 | A | 40122 | 15 | _50P50009B_F | 50P50009B_FALM | Fresh water pump failure | FRSH WTR PMP FAILURE | 16 Bit | Bit | Bit | |
| 119 | FC3 | 40123 | A | 40123 | 0 | _50P50010A_R | 50P50010A_R | Non-oxidant biocide dosing pump - waste water tank running | BIOCIDE DSNGPMP WST TK | 16 Bit | Bit | Bit | |
| 120 | FC3 | 40123 | A | 40123 | 1 | _50P50010A_F | 50P50010A_FALM | Non-oxidant biocide dosing pump - waste water tank failure | BIOCIDE DSNGPMP WST TK F | 16 Bit | Bit | Bit | |
| 121 | FC3 | 40123 | A | 40123 | 2 | _50P50010B_R | 50P50010B_R | Non-oxidant biocide dosing pump - waste water tank running | BIOCIDE DSNGPMP WST TK | 16 Bit | Bit | Bit | |
| 122 | FC3 | 40123 | A | 40123 | 3 | _50P50010B_F | 50P50010B_FALM | Non-oxidant biocide dosing pump - waste water tank failure | BIOCIDE DSNGPMP WST TK F | 16 Bit | Bit | Bit | |
| 123 | | | | | | | | | | | | | |
| 124 | FC3 | 40131 | A | 40131 | 0 | _50H50003A_A | 50H50003A_A | Container electrical heater start/stop command | CONT ELEC HTSTRT_STP CMD | 16 Bit | Bit | Bit | |
| 125 | FC3 | 40131 | A | 40131 | 1 | _50H50003B_A | 50H50003B_A | Container electrical heater start/stop command | CONT ELEC HTSTRT_STP CMD | 16 Bit | Bit | Bit | |
| 126 | FC3 | 40131 | A | 40131 | 2 | _50HFA50001A_A | 50HFA50001A_A | Container air fan start/stop command | CONT AIR FANSTRT_STP CMD | 16 Bit | Bit | Bit | |
| 127 | FC3 | 40131 | A | 40131 | 3 | _50HFA50001B_A | 50HFA50001B_A | Container air fan start/stop command | CONT AIR FANSTRT_STP CMD | 16 Bit | Bit | Bit | |
| 128 | FC3 | 40131 | A | 40131 | 4 | _50A50003_A | 50A50003_A | Seawater coarse filter regeneration command | SEAWTR CRSE FLT REGN CMD | 16 Bit | Bit | Bit | |
| 129 | FC3 | 40131 | A | 40131 | 5 | _50S50001_A | 50S50001_A | Sand filter regeneration command | SAND FLT REGEN CMD | 16 Bit | Bit | Bit | |
| 130 | FC3 | 40131 | A | 40131 | 6 | _50S50004_A | 50S50004_A | Softening Filter regeneration command | SOFTN FLT REGEN CMD | 16 Bit | Bit | Bit | |
| 131 | FC3 | 40131 | A | 40131 | 7 | _50S50010_A | 50S50010_A | UV sterilizer start/stop command | UV STERILIZESTRT_STP CMD | 16 Bit | Bit | Bit | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PHIPTOC1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PHIPTOC1_Op | 20XS-5017 | BOOL | | PROTECTION TRIPPED "50-1" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PHLPTOC1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PHLPTOC1_Op | 20XS-1118 | BOOL | | PROTECTION TRIPPED "51-1" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_EFLPTOC1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_EFLPTOC1_Op | 20XS-1419 | BOOL | | PROTECTION TRIPPED "51N" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_ROVPTOV1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_ROVPTOV1_Op | 20XS-5920 | BOOL | | PROTECTION TRIPPED "59N" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PHPTUV1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PHPTUV1_Op | 20XS-2821 | BOOL | | PROTECTION TRIPPED "27-1" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PHPTOV1_Op | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PHPTOV1_Op | 20XS-6122 | BOOL | | PROTECTION TRIPPED "59-1" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC1_SPCSO6 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_MVGAPC1_SPCSO6 | 20LOC-7101 | BOOL | | SELECTOR SWITCH IN LOCAL POSITION | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC1_SPCSO7 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_MVGAPC1_SPCSO7 | 20REM-7101 | BOOL | | SELECTOR SWITCH IN REMOTE POSITION | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_CMMXU1_A_phsA | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_CMMXU1_A_phsA | 20CI-4101 | FLOAT | | Line Current (L1) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_CMMXU1_A_phsB | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_CMMXU1_A_phsB | 20CI-4202 | FLOAT | | Line Current (L2) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_CMMXU1_A_phsC | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_CMMXU1_A_phsC | 20CI-4303 | FLOAT | | Line Current (L3) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_VMMXU1_PPV_phsAB | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_VMMXU1_PPV_phsAB | 20VI-1201 | FLOAT | | Line Volts (L1-L2) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_VMMXU1_PPV_phsBC | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_VMMXU1_PPV_phsBC | 20VI-2302 | FLOAT | | Line Volts (L2-L3) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_VMMXU1_PPV_phsCA | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_VMMXU1_PPV_phsCA | 20VI-3103 | FLOAT | | Line Volts (L3-L1) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_FMMXU1_Hz | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_FMMXU1_Hz | 20FI-7120 | FLOAT | | Frequency | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PEMMXU1_TotVA | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PEMMXU1_TotVA | 20II-1601 | FLOAT | | APPARENT POWER (kVA) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PEMMXU1_TotW | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PEMMXU1_TotW | 20II-1802 | FLOAT | | REAL POWER (kW) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PEMMXU1_TotVAr | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PEMMXU1_TotVAr | 20II-1703 | FLOAT | | REACTIVE POWER (kVAR) | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_PEMMXU1_TotPF | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_PEMMXU1_TotPF | 20XI-1901 | FLOAT | | POWER FACTOR | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind7 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_SCBIGGIO1_Ind7 | 20XS-3212 | BOOL | | TRANSFORMER PROTECTION TRIPPED "BUCHHOLZ" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind6 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_SCBIGGIO1_Ind6 | 20XA-3201 | BOOL | | TRANSFORMER PROTECTION ALARM "BUCHHOLZ" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind9 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_SCBIGGIO1_Ind9 | 20XS-3613 | BOOL | | TRANSFORMER PROTECTION TRIPPED "OIL TEMPERATURE" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind8 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_SCBIGGIO1_Ind8 | 20XA-3602 | BOOL | | TRANSFORMER PROTECTION ALARM "OIL TEMPERATURE" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind12 | Logic.Application | SG_100D1_A1_GVL | | SG_100D1_A1_SCBIGGIO1_Ind12 | 20XA-3503 | BOOL | | TRANSFORMER PROTECTION TRIP "OIL PRESSURE" | SG100D1_A1_ELECTROLYZER | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_TR_200ED1.SG_100D1_A2_SCBIGGIO1_Ind11 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SCBIGGIO1_Ind11 | 89XA-7204 | BOOL | | TRANSF. OIL LEVEL VERY LOW ALARM | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_TR_200ED1_TRANSFORMER_PROTECTION_ALARM_"OIL_PRESSURE" | Logic.Application | SG_100D1 | A2_TR_200ED1 | TRANSFORMER PROTECTION ALARM "OIL PRESSURE" | 89XA-3505 | BOOL | | | | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind14 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SCBIGGIO1_Ind14 | 89XS-4014 | BOOL | | TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE" | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind13 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SCBIGGIO1_Ind13 | 89XA-4006 | BOOL | | TRANSF. PROTECTION ALARM "WINDING TEMPERATURE | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SDBIGGIO1_Ind7 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SDBIGGIO1_Ind7 | 89XA-3407 | BOOL | | TRANSF. GENERAL ALARM | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_LPHD1_PhyHealth | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_LPHD1_PhyHealth | 89UA-3901 | BOOL | | WATCHDOG PROTECTION RELAY | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind2 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SCBIGGIO1_Ind2 | 89US-4801 | BOOL | | V.T. HEALTLY CIRCUIT | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC1_SPCSO4 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_MVGAPC1_SPCSO4 | 89XS-8715 | BOOL | | INTERTRIP SEND TO L.V. SWITCHBOARD | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SBBIGGIO1_Ind7 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SBBIGGIO1_Ind7 | 89XS-8616 | BOOL | | K86 TRIPPED | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC1_SPCSO8 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_MVGAPC1_SPCSO8 | 89CLS-7201 | BOOL | | Contactor CLOSED AND INSERTED | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC2_SPCSO2 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_MVGAPC2_SPCSO2 | 89ZSH-7201 | BOOL | | Contactor OPENED OR ISOLATED | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC2_SPCSO3 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_MVGAPC2_SPCSO3 | 89CLS-7202 | BOOL | | MCB'S CLOSED | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_TCSSCBR1_CircAlm | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_TCSSCBR1_CircAlm | 89RDY-7201 | BOOL | | Contactor READY (TCS) | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC2_SPCSO1 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_MVGAPC2_SPCSO1 | 89RDY-7202 | BOOL | | Contactor READY TO CLOSE | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SPCGAPC2_SPCSO002_On | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SPCGAPC2_SPCSO002_On | 89OPC-7201 | BOOL | | OPENING COMMAND - On Command | SG100D1_A2_TR_200ED1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SPCGAPC1_SPCSO001_On | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SPCGAPC1_SPCSO001_On | 89CLC-7201 | BOOL | | CLOSING COMMAND - On Command | SG100D1_A2_TR_200ED1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SPCGAPC1_SPCSO003_On | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SPCGAPC1_SPCSO003_On | 89RSTC-7201 | BOOL | | K86 RESET COMMAND - On Command | SG100D1_A2_TR_200ED1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SDBIGGIO1_Ind8 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SDBIGGIO1_Ind8 | 89UA-7202 | BOOL | | PROTECTION RELAY UNIT 1 HEALTHY | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SDBIGGIO1_Ind9 | Logic.Application | SG_100D1_A2_GVL | | SG_100D1_A2_SDBIGGIO1_Ind9 | 89HS-7201 | BOOL | | SELECTOR SWITCH OF OVERRIDE IN OFF (SIL ENABLED) | SG100D1_A2_TR_200ED1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CC_PHL1_TEMP_DETECT | 89TI-4101 | INT | | Phase L1 - Temperature Detection - Cabel Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CC_PHL2_TEMP_DETECT | 89TI-4202 | INT | | Phase L2 - Temperature Detection - Cabel Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CC_PHL3_TEMP_DETECT | 89TI-4303 | INT | | Phase L3 - Temperature Detection - Cabel Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CBC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CBC_PHL1_TEMP_DETECT | 89TI-4104 | INT | | Phase L1 - Temperature Detection - C.B. Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CBC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CBC_PHL2_TEMP_DETECT | 89TI-4205 | INT | | Phase L2 - Temperature Detection - C.B. Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_CBC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_CBC_PHL3_TEMP_DETECT | 89TI-4306 | INT | | Phase L3 - Temperature Detection - C.B. Compart. | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_MBB_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_MBB_PHL1_TEMP_DETECT | 89TI-4107 | INT | | Phase L1 - Temperature Detection - Main Bus Bar | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A2_MBB_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A2_MBB_PHL3_TEMP_DETECT | 89TI-4308 | INT | | Phase L3 - Temperature Detection - Main Bus Bar | SG100D1_A2_TR_200ED1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHIPTOC1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHIPTOC1_Op | 85XS-5001 | BOOL | - | PROTECTION TRIPPED "50-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHLPTOC1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHLPTOC1_Op | 85XS-1102 | BOOL | - | PROTECTION TRIPPED "51-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_EFLPTOC1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_EFLPTOC1_Op | 85XS-1403 | BOOL | - | PROTECTION TRIPPED "51N" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_LEDGGIO1_Ind3 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_LEDGGIO1_Ind3 | 85SYN-7301 | BOOL | - | SYNCHRO "OK" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_ROVPTOV1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_ROVPTOV1_Op | 85XS-5804 | BOOL | - | PROTECTION TRIPPED "59N-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_ROVPTOV2_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_ROVPTOV2_Op | 85XS-5705 | BOOL | - | PROTECTION TRIPPED "59N-2" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHPTUV1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHPTUV1_Op | 85XS-2806 | BOOL | - | PROTECTION TRIPPED "27-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHPTUV2_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHPTUV2_Op | 85XS-2907 | BOOL | - | PROTECTION TRIPPED "27-2" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHPTOV1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHPTOV1_Op | 85XS-6108 | BOOL | - | PROTECTION TRIPPED "59-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PHPTOV2_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PHPTOV2_Op | 85XS-6109 | BOOL | - | PROTECTION TRIPPED "59-2" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_DPHLPTOC1_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_DPHLPTOC1_Op | 85XS-6810 | BOOL | - | PROTECTION TRIPPED "67-1" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_DPHLPTOC2_Op | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_DPHLPTOC2_Op | 85XS-6911 | BOOL | - | PROTECTION TRIPPED "67-2" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC1_SPCSO6 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC1_SPCSO6 | 85LOC-7301 | BOOL | - | SELECTOR SWITCH IN LOCAL POSITION | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC1_SPCSO7 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC1_SPCSO7 | 85REM-7301 | BOOL | - | SELECTOR SWITCH IN REMOTE POSITION | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_CMMXU1_A_phsA | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_CMMXU1_A_phsA | 85CI-4101 | FLOAT | A | Line Current (L1) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_CMMXU1_A_phsB | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_CMMXU1_A_phsB | 85CI-4202 | FLOAT | A | Line Current (L2) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_CMMXU1_A_phsC | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_CMMXU1_A_phsC | 85CI-4303 | FLOAT | A | Line Current (L3) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_VMMXU1_PPV_phsAB | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_VMMXU1_PPV_phsAB | 85VI-1201 | FLOAT | V | Line Volts (L1-L2) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_VMMXU1_PPV_phsBC | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_VMMXU1_PPV_phsBC | 85VI-2302 | FLOAT | V | Line Volts (L2-L3) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_VMMXU1_PPV_phsCA | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_VMMXU1_PPV_phsCA | 85VI-3103 | FLOAT | V | Line Volts (L3-L1) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_FMMXU1_Hz | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_FMMXU1_Hz | 85FRQ-7301 | FLOAT | Hz | Frequency | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PEMMXU1_TotVA | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PEMMXU1_TotVA | 85JI-1601 | FLOAT | kVA | APPARENT POWER (kVA) | SG100D1_A3_BESS | R | MODBUS | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PEMMXU1_TotW | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PEMMXU1_TotW | 85JI-1802 | FLOAT | kW | REAL POWER (kW) | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PEMMXU1_TotVAr | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PEMMXU1_TotVAr | 85JI-1703 | FLOAT | kVAR | REACTIVE POWER (kVAR) | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_PEMMXU1_TotPF | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_PEMMXU1_TotPF | 85XI-1901 | FLOAT | COSfi | POWER FACTOR | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SCBIGGIO1_Ind14 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SCBIGGIO1_Ind14 | 85XS-4012 | BOOL | - | TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE" | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SCBIGGIO1_Ind13 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SCBIGGIO1_Ind13 | 85XA-4001 | BOOL | - | TRANSF. PROTECTION ALARM "WINDING TEMPERATURE | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_LPHD1_PhyHealth | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_LPHD1_PhyHealth | 85UA-3901 | BOOL | - | WATCHDOG PROTECTION RELAY | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SCBIGGIO1_Ind2 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SCBIGGIO1_Ind2 | 85US-4801 | BOOL | - | V.T. HEALTLY CIRCUIT | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC1_SPCSO4 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC1_SPCSO4 | 85XS-8713 | BOOL | - | INTERTRIP SEND TO L.V. SWITCHBOARD | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SBBIGGIO1_Ind7 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SBBIGGIO1_Ind7 | 85XS-8614 | BOOL | - | K86 TRIPPED | SG100D1_A3_BESS | R | IEC-61850 | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC1_SPCSO8 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC1_SPCSO8 | 85CLS-7301 | BOOL | - | Contactor CLOSED AND INSERTED | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC2_SPCSO2 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC2_SPCSO2 | 85Z5H-7301 | BOOL | - | Contactor OPENED OR ISOLATED | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC2_SPCSO3 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC2_SPCSO3 | 85CLS-7302 | BOOL | - | MCB'S CLOSED | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_TCSSCBR1_CircAlm | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_TCSSCBR1_CircAlm | 85RDY-7301 | BOOL | - | Contactor READY (TCS) | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_MVGAPC2_SPCSO1 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_MVGAPC2_SPCSO1 | 85RDY-7302 | BOOL | - | Contactor READY TO CLOSE | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SPCGAPC2_SPCSO002_On | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SPCGAPC2_SPCSO002_On | 85OPC-7301 | BOOL | - | OPENING COMMAND - On Command | SG100D1_A3_BESS | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SPCGAPC1_SPCSO001_On | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SPCGAPC1_SPCSO001_On | 85CLC-7301 | BOOL | - | CLOSING COMMAND - On Command | SG100D1_A3_BESS | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SPCGAPC1_SPCSO003_On | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SPCGAPC1_SPCSO003_On | 85RSTC-7301 | BOOL | - | K86 RESET COMMAND - On Command | SG100D1_A3_BESS | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SDBIGGIO1_Ind8 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SDBIGGIO1_Ind8 | 85UA-7302 | BOOL | - | PROTECTION RELAY UNIT 3 HEALTHY | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SCBIGGIO1_Ind6 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SCBIGGIO1_Ind6 | 85UA-7303 | BOOL | - | PROTECTION RELAY UNIT 4 HEALTHY | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A3_GVL.SG_100D1_A3_SDBIGGIO1_Ind9 | Logic.Application | SG_100D1_A3_GVL | | SG_100D1_A3_SDBIGGIO1_Ind9 | 85HS-7301 | BOOL | - | SELECTOR SWITCH OF OVERRIDE (SIL ENABLED) | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CC_PHL1_TEMP_DETECT | 85TI-4101 | INT | - | Phase L1 - Temperature Detection - Cabel Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CC_PHL2_TEMP_DETECT | 85TI-4202 | INT | - | Phase L2 - Temperature Detection - Cabel Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CC_PHL3_TEMP_DETECT | 85TI-4303 | INT | - | Phase L3 - Temperature Detection - Cabel Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CBC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CBC_PHL1_TEMP_DETECT | 85TI-4104 | INT | - | Phase L1 - Temperature Detection - C.B. Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CBC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CBC_PHL2_TEMP_DETECT | 85TI-4205 | INT | - | Phase L2 - Temperature Detection - C.B. Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_CBC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_CBC_PHL3_TEMP_DETECT | 85TI-4306 | INT | - | Phase L3 - Temperature Detection - C.B. Compart. | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_MBB_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_MBB_PHL1_TEMP_DETECT | 85TI-4107 | INT | - | Phase L1 - Temperature Detection - Main Bus Bar | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_MBB_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_MBB_PHL3_TEMP_DETECT | 85TI-4308 | INT | - | Phase L3 - Temperature Detection - Main Bus Bar | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_TVC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_TVC_PHL1_TEMP_DETECT | 85TI-4109 | INT | - | Phase L1 -Temperature Detection - T.V. Compartment | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_TVC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_TVC_PHL2_TEMP_DETECT | 85TI-4210 | INT | - | Phase L2 -Temperature Detection - T.V. Compartment | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_TVC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_TVC_PHL3_TEMP_DETECT | 85TI-4311 | INT | - | Phase L3 -Temperature Detection - T.V. Compartment | SG100D1_A3_BESS | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_MBB_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_MBB_PHL1_TEMP_DETECT | 85TI-4112 | INT | - | Phase L1 - Temperature Detection - Main Bus Bar | | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A3_MBB_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A3_MBB_PHL3_TEMP_DETECT | 85TI-4313 | INT | - | Phase L3 - Temperature Detection - Main Bus Bar | | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHPTOC1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHPTOC1_Op | 70XS-5019 | BOOL | - | PROTECTION TRIPPED "50-1" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHLPTOC1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHLPTOC1_Op | 70XS-1120 | BOOL | - | PROTECTION TRIPPED "51-1" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_EFLPTOC1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_EFLPTOC1_Op | 70XS-1421 | BOOL | - | PROTECTION TRIPPED "51N" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_LEDGGIO1_Ind3 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_LEDGGIO1_Ind3 | 70SYN-7601 | BOOL | - | SYNCHRO "OK" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_ROVPTOV1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_ROVPTOV1_Op | 70XS-5822 | BOOL | - | PROTECTION TRIPPED "59N-1" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_ROVPTOV2_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_ROVPTOV2_Op | 70XS-5723 | BOOL | - | PROTECTION TRIPPED "59N-2" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHPTUV1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHPTUV1_Op | 70XS-2824 | BOOL | - | PROTECTION TRIPPED "27-1" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHPTUV2_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHPTUV2_Op | 70XS-2925 | BOOL | - | PROTECTION TRIPPED "27-2" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHPTOV1_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHPTOV1_Op | 70XS-6126 | BOOL | - | PROTECTION TRIPPED "59-1" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHPTOV2_Op | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PHPTOV2_Op | 70XS-6127 | BOOL | - | PROTECTION TRIPPED "59-2" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC1_SPCSO6 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC1_SPCSO6 | 70LOC-7602 | BOOL | - | SELECTOR SWITCH IN LOCAL POSITION | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC1_SPCSO7 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC1_SPCSO7 | 70REM-7602 | BOOL | - | SELECTOR SWITCH IN REMOTE POSITION | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_CMMXU1_A_phsA | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_CMMXU1_A_phsA | 70CI-4107 | FLOAT | - | Line Current (L1) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_CMMXU1_A_phsB | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_CMMXU1_A_phsB | 70CI-4208 | FLOAT | - | Line Current (L2) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_CMMXU1_A_phsC | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_CMMXU1_A_phsC | 70CI-4309 | FLOAT | - | Line Current (L3) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_VMMXU1_PPV_phsAB | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_VMMXU1_PPV_phsAB | 70VI-1204 | FLOAT | - | Line Volts (L1-L2) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_VMMXU1_PPV_phsBC | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_VMMXU1_PPV_phsBC | 70VI-2305 | FLOAT | - | Line Volts (L2-L3) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_VMMXU1_PPV_phsCA | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_VMMXU1_PPV_phsCA | 70VI-3106 | FLOAT | - | Line Volts (L3-L1) | Feedback Voltage for the AVR | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_FMMXU1_Hz | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_FMMXU1_Hz | 70FRQ-7603 | FLOAT | - | Frequency | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PEMMXU1_TotVA | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PEMMXU1_TotVA | 70II-1604 | FLOAT | - | APPARENT POWER (kVA) | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PEMMXU1_TotW | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PEMMXU1_TotW | 70II-1805 | FLOAT | - | REAL POWER (kW) | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PEMMXU1_TotVAr | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PEMMXU1_TotVAr | 70II-1706 | FLOAT | - | REACTIVE POWER (kVAR) | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PEMMXU1_TotPF | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_PEMMXU1_TotPF | 70XI-1902 | FLOAT | - | POWER FACTOR | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind9 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind9 | 70XS-3628 | BOOL | - | TRANSFORMER PROTECTION TRIPPED "OIL TEMPERATURE" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind8 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind8 | 70XA-3606 | BOOL | - | TRANSFORMER PROTECTION ALARM "OIL TEMPERATURE" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind12 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind12 | 70XS-3529 | BOOL | - | TRANSFORMER PROTECTION TRIPPED "OIL PRESSURE" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind11 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind11 | 70XA-7607 | BOOL | - | TRANSF. PROT. SELF DEHYDRATING BREATHER ALARM | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind14 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind14 | 70XS-4030 | BOOL | - | TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE" | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind13 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind13 | 70XA-4008 | BOOL | - | TRANSF. PROTECTION ALARM "WINDING TEMPERATURE | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SDBIGGIO1_Ind7 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SDBIGGIO1_Ind7 | 70XA-3209 | BOOL | - | TRANSFORMER PROTECTION ALARM BUCHHOLZ | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SDBIGGIO1_Ind9 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SDBIGGIO1_Ind9 | 70XS-3231 | BOOL | - | TRANSFORMER PROTECTION TRIPPED BUCHHOLZ | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SBBIGGIO1_Ind9 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SBBIGGIO1_Ind9 | 70UA-7603 | BOOL | - | TRANSFORMER OLTC PROTECTION RELAY | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind10 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind10 | 70XA-7610 | BOOL | - | TRANSFORMER PROTECTION ALARM LEVEL OIL | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind7 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind7 | 70XS-7632 | BOOL | - | TRANSFORMER PROTECTION TRIPPED LEVEL OIL | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SDBIGGIO1_Ind3 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SDBIGGIO1_Ind3 | 70XA-7611 | BOOL | - | TRANSFORMER PROTECTION ALARM OIL LEVEL INDICATOR | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind1 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind1 | 70XS-7633 | BOOL | - | TRANSF. OLTC PROTECTION TRIPPED OIL LEVEL INDICATOR | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind6 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind6 | 70XA-7612 | BOOL | - | TRANSFORMER PROTECTION ALARM MEMBRANE CONTROL | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_LPHD1_PhyHealth | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_LPHD1_PhyHealth | 70UA-3904 | BOOL | - | WATCHDOG PROTECTION RELAY | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBIGGIO1_Ind2 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBIGGIO1_Ind2 | 70US-4801 | BOOL | - | V.T. HEALTLY CIRCUIT | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC1_SPCSO4 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC1_SPCSO4 | 70XS-8734 | BOOL | - | INTERTRIP SEND TO 66kV SWITCHIL | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SBBIGGIO1_Ind7 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SBBIGGIO1_Ind7 | 70XS-8635 | BOOL | - | K86 TRIPPED | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC1_SPCSO8 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC1_SPCSO8 | 70CLS-7603 | BOOL | - | C.B. CLOSED AND INSERTED | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC2_SPCSO2 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC2_SPCSO2 | 70ZSH-7602 | BOOL | - | C.B. OPENED OR ISOLATED | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC2_SPCSO5 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC2_SPCSO5 | 70CLS-7604 | BOOL | - | MCB'S CLOSED | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_TCSSCBR1_CircAlm | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_TCSSCBR1_CircAlm | 70RDY-7603 | BOOL | - | C.B. READY (TCS) | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_MVGAPC2_SPCSO1 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_MVGAPC2_SPCSO1 | 70RDY-7604 | BOOL | - | C.B. READY TO CLOSE | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SPCGAPC2_SPCSO002_On | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SPCGAPC2_SPCSO002_On | 70OPC-7602 | BOOL | - | OPENING COMMAND - On Command | SG100D1_A6_TR_100AD1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SPCGAPC1_SPCSO001_On | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SPCGAPC1_SPCSO001_On | 70CLC-7602 | BOOL | - | CLOSING COMMAND - On Command | SG100D1_A6_TR_100AD1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SPCGAPC1_SPCSO003_On | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SPCGAPC1_SPCSO003_On | 60RSTC-7601 | BOOL | - | K86 RESET COMMAND - On Command | SG100D1_A6_TR_100AD1 | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_VMMXU2_HiWrn | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_VMMXU2_HiWrn | 70VI-7607 | BOOL | - | LIVE VOLTAGE 6.6kV ON THE MAIN BUS-BARS | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SCBOGGIO1_SPCSO2 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SCBOGGIO1_SPCSO2 | 70XS-7636 | BOOL | - | TRIPPED AT CABLE COMPARTEMENT | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SDBIGGIO1_Ind4 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SDBIGGIO1_Ind4 | 70UA-7605 | BOOL | - | TR-100AD1 GENERAL ALAM | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_SDBIGGIO1_Ind8 | Logic.Application | SG_100D1_A6_GVL | | SG_100D1_A6_SDBIGGIO1_Ind8 | 70XA-3413 | BOOL | - | RR-100D1 NER GENERAL ALARM | SG100D1_A6_TR_100AD1 | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CC_PHL1_TEMP_DETECT | 70TI-4114 | INT | - | Phase L1 - Temperature Detection - Cabel Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CC_PHL2_TEMP_DETECT | 70TI-4215 | INT | - | Phase L2 - Temperature Detection - Cabel Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CC_PHL3_TEMP_DETECT | 70TI-4316 | INT | | Phase L3 - Temperature Detection - Cabel Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CBC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CBC_PHL1_TEMP_DETECT | 70TI-4117 | INT | | Phase L1 - Temperature Detection - C.B. Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CBC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CBC_PHL2_TEMP_DETECT | 70TI-4218 | INT | | Phase L2 - Temperature Detection - C.B. Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_CBC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_CBC_PHL3_TEMP_DETECT | 70TI-4319 | INT | | Phase L3 - Temperature Detection - C.B. Compart. | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_MBB_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_MBB_PHL1_TEMP_DETECT | 70TI-4120 | INT | | Phase L1 - Temperature Detection - Main Bus Bar | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A6_MBB_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A6_MBB_PHL3_TEMP_DETECT | 70TI-4321 | INT | | Phase L3 - Temperature Detection - Main Bus Bar | SG100D1_A6_TR_100AD1 | R | MODBUS | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PHIPTOC1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PHIPTOC1_Op | 80XS-5002 | BOOL | | PROTECTION TRIPPED "50-1" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PHLPTOC1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PHLPTOC1_Op | 80XS-1103 | BOOL | | PROTECTION TRIPPED "51-1" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_EFLPTOC1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_EFLPTOC1_Op | 80XS-1408 | BOOL | | PROTECTION TRIPPED "51N" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_LEDGGIO1_Ind3 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_LEDGGIO1_Ind3 | 80SYN-7709 | BOOL | | SYNCHRO "OK" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_ROVPTOV1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_ROVPTOV1_Op | 80XS-5801 | BOOL | | PROTECTION TRIPPED "59N-1" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_ROVPTOV2_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_ROVPTOV2_Op | 80XS-5710 | BOOL | | PROTECTION TRIPPED "59N-2" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PHPTUV1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PHPTUV1_Op | 80XS-2811 | BOOL | | PROTECTION TRIPPED "27-1" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PHPTUV2_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PHPTUV2_Op | 80XS-2912 | BOOL | | PROTECTION TRIPPED "27-2" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PHPTOV2_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PHPTOV2_Op | 80XS-6104 | BOOL | | PROTECTION TRIPPED "59-2" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_DPHLPDOC1_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_DPHLPDOC1_Op | 80XS-6802 | BOOL | | PROTECTION TRIPPED "67-1" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_DPHLPDOC2_Op | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_DPHLPDOC2_Op | 80XS-6903 | BOOL | | PROTECTION TRIPPED "67-2" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC1_SPCSO6 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC1_SPCSO6 | 80LOC-7704 | BOOL | | SELECTOR SWITCH IN LOCAL POSITION | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC1_SPCSO7 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC1_SPCSO7 | 80REM-7705 | BOOL | | SELECTOR SWITCH IN REMOTE POSITION | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_CMMXU1_A_phsA | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_CMMXU1_A_phsA | 80CI-4113 | FLOAT | | Line Current (L1) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_CMMXU1_A_phsB | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_CMMXU1_A_phsB | 80CI-4206 | FLOAT | | Line Current (L2) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_CMMXU1_A_phsC | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_CMMXU1_A_phsC | 80CI-4301 | FLOAT | | Line Current (L3) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_VMMXU1_PPV_phsAB | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_VMMXU1_PPV_phsAB | 80VI-1202 | FLOAT | | Line Volts (L1-l2) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_VMMXU1_PPV_phsBC | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_VMMXU1_PPV_phsBC | 80VI-2303 | FLOAT | | Line Volts (L2-L3) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_VMMXU1_PPV_phsCA | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_VMMXU1_PPV_phsCA | 80VI-3104 | FLOAT | | Line Volts (L3-L1) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_FMMXU1_Hz | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_FMMXU1_Hz | 80FRQ-7705 | FLOAT | | Frequency | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PEMMXU1_TotVA | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PEMMXU1_TotVA | 80JI-1606 | FLOAT | | APPARENT POWER (kVA) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PEMMXU1_TotW | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PEMMXU1_TotW | 80JI-1807 | FLOAT | | REAL POWER (kW) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PEMMXU1_TotVAr | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PEMMXU1_TotVAr | 80JI-1708 | FLOAT | | REACTIVE POWER (kVAR) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_PEMMXU1_TotPF | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_PEMMXU1_TotPF | 80XI-1909 | FLOAT | | POWER FACTOR | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind14 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind14 | 80XS-4010 | BOOL | | TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE" | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind13 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind13 | 80XA-4005 | BOOL | | TRANSF. PROTECTION ALARM "WINDING TEMPERATURE | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_LPHD1_PhyHealth | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_LPHD1_PhyHealth | 80UA-3906 | BOOL | | WATCHDOG PROTECTION RELAY | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind2 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind2 | 80US-4802 | BOOL | | V.T. HEALTLY CIRCUIT | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC1_SPCSO4 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC1_SPCSO4 | 80XS-8714 | BOOL | | INTERTRIP SEND TO L.V. SWITCHBOARD | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SBBIGGIO1_Ind7 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SBBIGGIO1_Ind7 | 80XS-8615 | BOOL | | K86 TRIPPED | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC1_SPCSO8 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC1_SPCSO8 | 80CLS-7716 | BOOL | | Contactor CLOSED AND INSERTED | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC2_SPCSO2 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC2_SPCSO2 | 80ZSH-7707 | BOOL | | Contactor OPENED OR ISOLATED | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC2_SPCSO3 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC2_SPCSO3 | 80CLS-7707 | BOOL | | MCB'S CLOSED | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_TCSSCBR1_CircAlm | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_TCSSCBR1_CircAlm | 80RDY-7708 | BOOL | | Contactor READY (TCS) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_MVGAPC2_SPCSO1 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_MVGAPC2_SPCSO1 | 80RDY-7709 | BOOL | | Contactor READY TO CLOSE | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SPCGAPC1_SPCSO002_On | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SPCGAPC1_SPCSO002_On | 80OPC-7711 | BOOL | | OPENING COMMAND - On Command | SG100D1_A7_FUELL_CELL | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SPCGAPC1_SPCSO001_On | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SPCGAPC1_SPCSO001_On | 80CLC-7708 | BOOL | | CLOSING COMMAND - On Command | SG100D1_A7_FUELL_CELL | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SPCGAPC1_SPCSO003_On | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SPCGAPC1_SPCSO003_On | 80RSTC-7701 | BOOL | | K86 RESET COMMAND - On Command | SG100D1_A7_FUELL_CELL | W | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SDBIGGIO1_Ind8 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SDBIGGIO1_Ind8 | 80UA-7709 | BOOL | | PROTECTION RELAY UNIT 6 HEALTHY | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SDBIGGIO1_Ind7 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SDBIGGIO1_Ind7 | 80US-7710 | BOOL | | AUXILIARY 230VAC HEALTHY (ALL SWITCHBOARD) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind6 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind6 | 80UA-7711 | BOOL | | MCB'S CLOSED (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind7 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind7 | 80CLS-7703 | BOOL | | V.T. HEALTLY CIRCUIT (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind8 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind8 | 80US-4812 | BOOL | | UPS 110VDC A SUPPLY "ON" (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind9 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind9 | 80US-7713 | BOOL | | UPS 110VDC B SUPPLY "ON" (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind10 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind10 | 80US-7714 | BOOL | | 230VAC SUPPLY "ON" (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind11 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind11 | 80US-7717 | BOOL | | 24VDC SUPPLY "ON" (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_A7_GVL.SG_100D1_A7_SCBIGGIO1_Ind3 | Logic.Application | SG_100D1_A7_GVL | | SG_100D1_A7_SCBIGGIO1_Ind3 | 80US-7718 | BOOL | | EARTHING SWITCH OPENED (FROM MEASURE UNIT A5) | SG100D1_A7_FUELL_CELL | R | IEC-61850 | | | |
| Logic.Application.SG_100D1.TR-100AD1_GENERAL_ALAM | Logic.Application | SG_100D1 | | TR-100AD1 GENERAL ALAM | 80ZSH-7715 | BOOL | | | | R | IEC-61850 | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CC_PHL1_TEMP_DETECT | 80TI-4116 | INT | | Phase L1 - Temperature Detection - Cabel Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CC_PHL2_TEMP_DETECT | 80TI-4217 | INT | | Phase L2 - Temperature Detection - Cabel Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CC_PHL3_TEMP_DETECT | 80TI-4301 | INT | | Phase L3 - Temperature Detection - Cabel Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CBC_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CBC_PHL1_TEMP_DETECT | 80TI-4119 | INT | | Phase L1 - Temperature Detection - C.B. Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CBC_PHL2_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CBC_PHL2_TEMP_DETECT | 80TI-4220 | INT | | Phase L2 - Temperature Detection - C.B. Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_CBC_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_CBC_PHL3_TEMP_DETECT | 80TI-4321 | INT | | Phase L3 - Temperature Detection - C.B. Compart. | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_MBB_PHL1_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_MBB_PHL1_TEMP_DETECT | 80TI-4122 | INT | | Phase L1 - Temperature Detection - Main Bus Bar | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A7_MBB_PHL3_TEMP_DETECT | Logic.Application | SG_100D1_MDB_GVL | | SG_100D1_A7_MBB_PHL3_TEMP_DETECT | 80TI-4318 | INT | | Phase L3 - Temperature Detection - Main Bus Bar | SG100D1_A7_FUELL_CELL | R | MODBUS | | | |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_PROTECTION_TRIPPED_L | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_L | 89XS-0019 | BOOL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_L | DI | R | MODBUS | 50.0 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_PROTECTION_TRIPPED_S | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_S | 89XS-0020 | BOOL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_S | DI | R | MODBUS | 50.1 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_PROTECTION_TRIPPED_I | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_I | 89XS-0021 | BOOL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_I | DI | R | MODBUS | 50.2 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_PROTECTION_TRIPPED_G_ | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_G | 89XS-0001 | BOOL | | CIRCUIT_BRAKER_PROTECTION_TRIPPED_G | DI | R | MODBUS | 50.3 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_TRIPPED_COMMON | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_TRIPPED_COMMON | 89XS-0002 | BOOL | | CIRCUIT_BRAKER_TRIPPED_COMMON | DI | R | MODBUS | 40.3 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_OPEN | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_OPEN | 89ZSH-0001 | BOOL | | CIRCUIT_BRAKER_OPEN | DI | R | MODBUS | 40.6 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_CLOSED | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_CLOSED | 89ZSL-0001 | BOOL | | CIRCUIT_BRAKER_CLOSED | DI | R | MODBUS | 40.0 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_CONNECTED | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_CONNECTED | 89US-0002 | BOOL | | CIRCUIT_BRAKER_CONNECTED | DI | R | MODBUS | 40.1 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_ISOLATED | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_ISOLATED | 89US-0003 | BOOL | | CIRCUIT_BRAKER_ISOLATED | DI | R | MODBUS | 40.1 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_TEST | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_TEST | 89TST-0001 | BOOL | | CIRCUIT_BRAKER_TEST | DI | R | MODBUS | 40.2 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.CIRCUIT_BRAKER_TRIP_UNIT_DISCONNECTED | Logic.Application | SG_200D2_GVL | | CIRCUIT_BRAKER_TRIP_UNIT_DISCONNECTED | 89XS-0003 | BOOL | | CIRCUIT_BRAKER_TRIP_UNIT_DISCONNECTED | DI | R | MODBUS | 40.15 | INPUT REGISTER | BOOL |
| Logic.Application.SG_200D2_GVL.INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_OPEN | Logic.Application | SG_200D2_GVL | | INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_OPEN | 89OPC-0003 | BOOL | | INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_OPEN | DO | W | MODBUS | 0.8 | HOLDING REGISTER | E32 |
| Logic.Application.SG_200D2_GVL.INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_CLOSE | Logic.Application | SG_200D2_GVL | | INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_CLOSE | 89CLC-0003 | BOOL | | INCOMING_QB1_CIRCUIT_BRAKER_COMMAND_CLOSE | DO | W | MODBUS | 0.7 | HOLDING REGISTER | E32 |
| Logic.Application.SG_200D2_GVL.MEASURE_CURRENT_L1 | Logic.Application | SG_200D2_GVL | | MEASURE_CURRENT_L1 | 89CI-4102 | FLOAT | | MEASURE_CURRENT_L1 | AI | R | MODBUS | 100-101 | INPUT REGISTER | U32 |
| Logic.Application.SG_200D2_GVL.MEASURE_CURRENT_L2 | Logic.Application | SG_200D2_GVL | | MEASURE_CURRENT_L2 | 89CI-4203 | FLOAT | | MEASURE_CURRENT_L2 | AI | R | MODBUS | 102-103 | INPUT REGISTER | U32 |
| Logic.Application.SG_200D2_GVL.MEASURE_CURRENT_L3 | Logic.Application | SG_200D2_GVL | | MEASURE_CURRENT_L3 | 89CI-4304 | FLOAT | | MEASURE_CURRENT_L3 | AI | R | MODBUS | 104-105 | INPUT REGISTER | U32 |
| Logic.Application.SG_200D2_GVL.MEASURE_VOLTAGE_L1_L2 | Logic.Application | SG_200D2_GVL | | MEASURE_VOLTAGE_L1_L2 | 89VI-1204 | FLOAT | | MEASURE_VOLTAGE_L1_L2 | AI | R | MODBUS | 154 | INPUT REGISTER | U16 |
| Logic.Application.SG_200D2_GVL.MEASURE_VOLTAGE_L2_L3 | Logic.Application | SG_200D2_GVL | | MEASURE_VOLTAGE_L2_L3 | 89VI-2314 | FLOAT | | MEASURE_VOLTAGE_L2_L3 | AI | R | MODBUS | 155 | INPUT REGISTER | U16 |
| Logic.Application.SG_200D2_GVL.MEASURE_VOLTAGE_L3_L1 | Logic.Application | SG_200D2_GVL | | MEASURE_VOLTAGE_L3_L1 | 89VI-3115 | FLOAT | | MEASURE_VOLTAGE_L3_L1 | AI | R | MODBUS | 156 | INPUT REGISTER | U16 |
| Logic.Application.SG_200D2_GVL.MEASURE_FREQUENCY | Logic.Application | SG_200D2_GVL | | MEASURE_FREQUENCY | 89FRQ-0012 | FLOAT | | MEASURE_FREQUENCY | AI | R | MODBUS | 254 | INPUT REGISTER | U16 |
| Logic.Application.SG_200D2_GVL.MEASURE_APPARENT_POWER | Logic.Application | SG_200D2_GVL | | MEASURE_APPARENT_POWER | 89JI-0013 | FLOAT | | MEASURE_APPARENT_POWER | AI | R | MODBUS | 222-223 | INPUT REGISTER | S32 |
| Logic.Application.SG_200D2_GVL.MEASURE_REAL_POWER | Logic.Application | SG_200D2_GVL | | MEASURE_REAL_POWER | 89JI-1814 | FLOAT | | MEASURE_REAL_POWER | AI | R | MODBUS | 206-207 | INPUT REGISTER | S32 |
| Logic.Application.SG_200D2_GVL.MEASURE_REACTIVE_POWER | Logic.Application | SG_200D2_GVL | | MEASURE_REACTIVE_POWER | 89JI-1715 | FLOAT | | MEASURE_REACTIVE_POWER | AI | R | MODBUS | 214-215 | INPUT REGISTER | S32 |
| Logic.Application.SG_200D2_GVL.MEASURE_POWER_FACTOR | Logic.Application | SG_200D2_GVL | | MEASURE_POWER_FACTOR | 89XI-1916 | FLOAT | | MEASURE_POWER_FACTOR | AI | R | MODBUS | 253 | INPUT REGISTER | S16 |
| Logic.Application.SG_200D2_GVL.QB1_DISCONNECTED_OR_OPEN | Logic.Application | SG_200D2_GVL | | QB1_DISCONNECTED_OR_OPEN | 89ZSH-7117 | BOOL | | QB1_DISCONNECTED_OR_OPEN | DI | R | MODBUS | 1 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.QB1_CONNECTED_AND_CLOSED | Logic.Application | SG_200D2_GVL | | QB1_CONNECTED_AND_CLOSED | 89ZSL-7118 | BOOL | | QB1_CONNECTED_AND_CLOSED | DI | R | MODBUS | 2 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.QB2_DISCONNECTED_OR_OPEN | Logic.Application | SG_200D2_GVL | | QB2_DISCONNECTED_OR_OPEN | 89ZSH-7119 | BOOL | | QB2_DISCONNECTED_OR_OPEN | DI | R | MODBUS | 3 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.QB2_CONNECTED_AND_CLOSED | Logic.Application | SG_200D2_GVL | | QB2_CONNECTED_AND_CLOSED | 89ZSL-7120 | BOOL | | QB2_CONNECTED_AND_CLOSED | DI | R | MODBUS | 4 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.SA1_ON_LOCAL_POSITION | Logic.Application | SG_200D2_GVL | | SA1_ON_LOCAL_POSITION | 89LOC-7121 | BOOL | | SA1_ON_LOCAL_POSITION | DI | R | MODBUS | 5 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.SA1_ON_REMOTE_POSITION | Logic.Application | SG_200D2_GVL | | SA1_ON_REMOTE_POSITION | 89REM-7101 | BOOL | | SA1_ON_REMOTE_POSITION | DI | R | MODBUS | 6 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.MCBs_ALARM | Logic.Application | SG_200D2_GVL | | MCBs_ALARM | 89XA-7102 | BOOL | | MCBs_ALARM | DI | R | MODBUS | 7 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.COMMON_FAILURE | Logic.Application | SG_200D2_GVL | | COMMON_FAILURE | 89XA-7103 | BOOL | | COMMON_FAILURE | DI | R | MODBUS | 8 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.SURGE_ARRESTER_FAULT | Logic.Application | SG_200D2_GVL | | SURGE_ARRESTER_FAULT | 89UA-7104 | BOOL | | SURGE_ARRESTER_FAULT | DI | R | MODBUS | 9 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200D2_GVL.SG_200N1_MCBs_FAILURE | Logic.Application | SG_200D2_GVL | | SG_200N1_MCBs_FAILURE | 89XA-7105 | BOOL | | | DI | R | MODBUS | 10 | DISCRETE INPUTS | BOOL |
| Logic.Application.SG_200N1_GVL.SG_200N1_DPHLPTOC2_Op | Logic.Application | SG_200N1_GVL | | SG_200N1_DPHLPTOC2_Op | 50XS-5006 | BOOL | | CIRCUIT-BRAKER - PROTECTION TRIPPED "50" | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_DPHLPTOC1_Op | Logic.Application | SG_200N1_GVL | | SG_200N1_DPHLPTOC1_Op | 50XS-5107 | BOOL | | CIRCUIT-BRAKER - PROTECTION TRIPPED "51" | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_XAGGIO130_Ind004 | Logic.Application | SG_200N1_GVL | | SG_200N1_XAGGIO130_Ind004 | 50XS-7408 | BOOL | | CIRCUIT-BRAKER - FUNCTION TRIPPED "74TCS" | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_XGGIO120_Ind001 | Logic.Application | SG_200N1_GVL | | SG_200N1_XGGIO120_Ind001 | 50XS-8609 | BOOL | | CIRCUIT-BRAKER - FUNCTION TRIPPED "86" | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC2_SPCSO001 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC2_SPCSO001 | 50ZSL-0010 | BOOL | | CIRCUIT-BRAKER - READY TO CLOSE | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC2_SPCSO002 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC2_SPCSO002 | 50TST-0010 | BOOL | | CIRCUIT-BRAKER - OPEN OR TEST POSITION | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC1_SPCSO008 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC1_SPCSO008 | 50ZSL-0011 | BOOL | | CIRCUIT-BRAKER - CLOSED AND INSERTED | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_LPHD1_PhyHealth | Logic.Application | SG_200N1_GVL | | SG_200N1_LPHD1_PhyHealth | 50US-0006 | BOOL | | CIRCUIT-BRAKER - WATCHDOG | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_XAGGIO130_Ind001 | Logic.Application | SG_200N1_GVL | | SG_200N1_XAGGIO130_Ind001 | 50XA-0022 | BOOL | | MCBs ALARM | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC1_SPCSO006 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC1_SPCSO006 | 50LOC-7123 | BOOL | | SA1 ON "LOCAL" POSITION | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC1_SPCSO007 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC1_SPCSO007 | 50REM-7124 | BOOL | | SA1 ON "REMOTE" POSITION | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_XAGGIO130_Ind002 | Logic.Application | SG_200N1_GVL | | SG_200N1_XAGGIO130_Ind002 | 50US-3805 | BOOL | | SA2 ON "MAINTENANCE" POSITION | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_MVGAPC1_SPCSO004 | Logic.Application | SG_200N1_GVL | | SG_200N1_MVGAPC1_SPCSO004 | 50XS-8704 | BOOL | | INTERTRIP TO MV SWBD | DI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_SPCGAPC2_SPCSO001_On | Logic.Application | SG_200N1_GVL | | SG_200N1_SPCGAPC2_SPCSO001_On | 50CLC-0004 | BOOL | | CIRCUIT-BRAKER - CLOSE COMMAND - On Command | DO | W | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_SPCGAPC1_SPCSO002_On | Logic.Application | SG_200N1_GVL | | SG_200N1_SPCGAPC1_SPCSO002_On | 50OPC-0004 | BOOL | | CIRCUIT-BRAKER - OPEN COMMAND - On Command | DO | W | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_SPCGAPC1_SPCSO003_On | Logic.Application | SG_200N1_GVL | | SG_200N1_SPCGAPC1_SPCSO003_On | 50RSTC-0004 | BOOL | | K86 RESET COMMAND - On Command | DO | W | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_CMMXU1_A_phsA | Logic.Application | SG_200N1_GVL | | SG_200N1_CMMXU1_A_phsA | 50CI-4101 | FLOAT | A | MEASURE - CURRENT "L1" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_CMMXU1_A_phsB | Logic.Application | SG_200N1_GVL | | SG_200N1_CMMXU1_A_phsB | 50CI-4202 | FLOAT | A | MEASURE - CURRENT "L2" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_CMMXU1_A_phsC | Logic.Application | SG_200N1_GVL | | SG_200N1_CMMXU1_A_phsC | 50CI-4303 | FLOAT | A | MEASURE - CURRENT "L3" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_VMMXU1_PPV_phsAB | Logic.Application | SG_200N1_GVL | | SG_200N1_VMMXU1_PPV_phsAB | 50VI-1205 | FLOAT | V | MEASURE - VOLTAGE "L1-L2" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_VMMXU1_PPV_phsBC | Logic.Application | SG_200N1_GVL | | SG_200N1_VMMXU1_PPV_phsBC | 50VI-2307 | FLOAT | V | MEASURE - VOLTAGE "L2-L3" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_VMMXU1_PPV_phsCA | Logic.Application | SG_200N1_GVL | | SG_200N1_VMMXU1_PPV_phsCA | 50VI-3106 | FLOAT | V | MEASURE - VOLTAGE "L3-L1" | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_FMMXU1_Hz | Logic.Application | SG_200N1_GVL | | SG_200N1_FMMXU1_Hz | 50FRQ-0006 | FLOAT | Hz | MEASURE - FREQUENCY | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_PEMMXU1_TotVA | Logic.Application | SG_200N1_GVL | | SG_200N1_PEMMXU1_TotVA | 50JI-0006 | FLOAT | kVA | MEASURE - APPARENT POWER | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_PEMMXU1_TotW | Logic.Application | SG_200N1_GVL | | SG_200N1_PEMMXU1_TotW | 50JI-0008 | FLOAT | kW | MEASURE - REAL POWER | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_PEMMXU1_TotVAr | Logic.Application | SG_200N1_GVL | | SG_200N1_PEMMXU1_TotVAr | 50JI-1707 | FLOAT | kVAR | MEASURE - REACTIVE POWER | AI | R | IEC-61850 | | | |
| Logic.Application.SG_200N1_GVL.SG_200N1_PEMMXU1_TotPF | Logic.Application | SG_200N1_GVL | | SG_200N1_PEMMXU1_TotPF | 50XI-1907 | FLOAT | COSfi | MEASURE - POWER FACTOR | AI | R | IEC-61850 | | | |
| Logic.Application.ELECTROLYZER.MAIN_PowerSetpoint | Logic.Application | ELECTROLYZER | MAIN | PowerSetpoint | 20JC-7107 | FLOAT | Kw | 250-2500 | | W | PROFINET | | | |
| Logic.Application.ELECTROLYZER.MAIN_FLOW_SETPONIT | Logic.Application | ELECTROLYZER | MAIN | FLOW SETPONIT | 20FC-7109 | FLOAT | NM3/H | 50-500 NM3/H | | W | PROFINET | | | |
| Logic.Application.ELECTROLYZER.MAIN_WATCHDOG | Logic.Application | ELECTROLYZER | MAIN | WATCHDOG | 20XI-7123 | INT16 | - | | | W | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_MINOR_FAULT | Logic.Application | ELECTROLYZER | STATUS | MINOR_FAULT | 20XA-7115 | BOOL | - | AT LEAST ONE "MINOR_FAULT" PRESENT (Warning) ; 1= Fault exist | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_MAJOR_FAULT | Logic.Application | ELECTROLYZER | STATUS | MAJOR_FAULT | 20XA-7117 | BOOL | - | AT LEAST ONE "DEFAUT MAJEUR" PRESENT ; 1= Fault exist | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_SAFETY_FAULT | Logic.Application | ELECTROLYZER | STATUS | SAFETY_FAULT | 20XA-7118 | BOOL | - | AT LEAST ONE "DEFAUT DE SECURITE" PRESENT ; 1= Fault exist | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_SSI | Logic.Application | ELECTROLYZER | STATUS | SSI | 20XA-7116 | BOOL | - | FIRE CENTRAL alarm ; 1= Aalrm exist | | R | PROFINET | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.ELECTROLYZER.STATUS_STATUS_ELECTROLYZER | Logic.Application | ELECTROLYZER | STATUS | STATUS_ELECTROLYZER | 20XI-7113 | INT16 | - | LOCAL MODE<br>0 : MISE POWER ON (POWER ON)<br>1 : MODE STOP (STOP)<br>2 : MODE IDLE (IDLE)<br>3 : MODE STAND BY<br>4 : MODE PRODUCTION<br>5 : MODE MANUEL<br>6 : MODE Stop in progress<br>7. MODE Start in progress<br>8. MODE IDLE in progress<br>9. STAND BY in progress<br>10. Standby<br>DISTANT MODE<br>11 : MISE POWER ON (POWER ON)<br>12 : MODE STOP (STOP)<br>13 : MODE IDLE (IDLE)<br>14 : MODE STANDY BY (STANDY BY)<br>15 : MODE PRODUCTION<br>16 : MODE Stop in progress<br>17. MODE Start in progress<br>18. MODE IDLE in progress<br>19. STAND BY in progress | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_WATCHDOG | Logic.Application | ELECTROLYZER | STATUS | WATCHDOG | 20XI-7114 | INT16 | - | COMMUNICATION CONTROL | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.STATUS_Selector_Swtch_mode | Logic.Application | ELECTROLYZER | STATUS | Selector Swtch mode | 20XI-7115 | INT16 | - | 0: Maintenance 1 : Remote 2 : Maintenance | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Process_CODE_01 | Logic.Application | ELECTROLYZER | PROCESS | Process_CODE_01 | 20XI-0016 | INT16 | - | Each Bit of INT Code represent one process signal | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Process_CODE_02 | Logic.Application | ELECTROLYZER | PROCESS | Process_CODE_02 | 20XI-0017 | INT16 | - | Each Bit of INT Code represent one process signal | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_RETURN_FLOW_SETPOINT | Logic.Application | ELECTROLYZER | PROCESS | RETURN FLOW SETPOINT | 20UFC-0038 | FLOAT | NM3/H | VALUE FLOW SETPOINT CLIENT (FLOW SETPOINT) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_FT630_Ratio | Logic.Application | ELECTROLYZER | PROCESS | FT630 Ratio | 20UFC-0630 | FLOAT | % | ELECTROLYSE OUTLET HYDROGENE FLOW | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT630 | Logic.Application | ELECTROLYZER | PROCESS | PT630 | 20PI-0630 | FLOAT | BARG | PRESSURE IN THE ELECTROLYZER (H2) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT610 | Logic.Application | ELECTROLYZER | PROCESS | PT610 | 20PI-0610 | FLOAT | BARG | PRESSURE IN THE ELECTROLYZER (O2) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_CT/P-620 | Logic.Application | ELECTROLYZER | PROCESS | CT/P-620 | 20CT/P-0042 | FLOAT | µS/cm | CONDUCTIVITIMER | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-001 | Logic.Application | ELECTROLYZER | PROCESS | IM-001 | 20IM-0043 | FLOAT | A | CURRENT output of Rectifier 1 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-100 | Logic.Application | ELECTROLYZER | PROCESS | VM-100 | 20VM-0023 | FLOAT | V | VOLTAGE OUTPUT of Rectifier 1 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-002 | Logic.Application | ELECTROLYZER | PROCESS | IM-002 | 20IM-0024 | FLOAT | A | CURRENT output of Rectifier 2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-102 | Logic.Application | ELECTROLYZER | PROCESS | VM-102 | 20VM-0025 | FLOAT | V | VOLTAGE OUTPUT of Rectifier 2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT200 | Logic.Application | ELECTROLYZER | PROCESS | TT200 | 20TI-0200 | FLOAT | °C | TEMPERATURE TRANSMITTER THERMAL SKID | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT201 | Logic.Application | ELECTROLYZER | PROCESS | TT201 | 20TI-0201 | FLOAT | °C | TEMPERATURE TRANSMITTER THERMAL SKID | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT400 | Logic.Application | ELECTROLYZER | PROCESS | TT400 | 20TI-0400 | FLOAT | °C | TEMPERATURE TRANSMITTER WATER CHILLER | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT401 | Logic.Application | ELECTROLYZER | PROCESS | TT401 | 20TI-0401 | FLOAT | °C | TEMPERATURE TRANSMITTER WATER CHILLER | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT1000 | Logic.Application | ELECTROLYZER | PROCESS | TT1000 | 20TI-1000 | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT1001 | Logic.Application | ELECTROLYZER | PROCESS | TT1001 | 20TI-1001 | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_LT600 | Logic.Application | ELECTROLYZER | PROCESS | LT600 | 20LI-0600 | FLOAT | % | SEPARATOR TANK WATER LEVEL O2 SIDE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_LT620 | Logic.Application | ELECTROLYZER | PROCESS | LT620 | 20LI-0620 | FLOAT | % | SEPARATOR TANK WATER LEVEL SIDE H2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT900 | Logic.Application | ELECTROLYZER | PROCESS | PT900 | 20PI-0900 | FLOAT | BARG | NITROGEN NETWORK PRESSURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_AHD1000 | Logic.Application | ELECTROLYZER | PROCESS | AHD1000 | 20AHD-0032 | FLOAT | % | QUANTITY OF HYDROGEN IN THE AMBIENT | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_AHD1001 | Logic.Application | ELECTROLYZER | PROCESS | AHD1001 | 20AHD-0033 | FLOAT | % | QUANTITY OF HYDROGEN IN THE AMBIENT | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_HIOD610 | Logic.Application | ELECTROLYZER | PROCESS | HIOD610 | 20HIOD-0034 | FLOAT | % | HYDROGEN MEASUREMENT IN OXYGEN | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_DPT800 | Logic.Application | ELECTROLYZER | PROCESS | DPT800 | 20DPI-0800 | FLOAT | ppmV | DEW POINT MEASUREMENT H2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_OIHA800 | Logic.Application | ELECTROLYZER | PROCESS | OIHA800 | 20OIHA-0008 | FLOAT | ppmV | OXYGEN MEASUREMENT IN HYDROGEN | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Stack_operating_hours_(h) | Logic.Application | ELECTROLYZER | PROCESS | Stack operating hours (h) | 20XI-0018 | FLOAT | h | Stack operating hours (h) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Full_load_hours_stack_(h) | Logic.Application | ELECTROLYZER | PROCESS | Full load hours stack (h) | 20XI-0019 | FLOAT | h | Full load hours stack (h) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Total_power_consumption | Logic.Application | ELECTROLYZER | PROCESS | Total power consumption | 20QII-0037 | FLOAT | W | Total power consumption (W) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Total_system_energy_consumption_(Wh) | Logic.Application | ELECTROLYZER | PROCESS | Total system energy consumption (Wh) | 20QII-0011 | FLOAT | Wh | Total system energy consumption (Wh ) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_Energy_consumption_stack_(Wh) | Logic.Application | ELECTROLYZER | PROCESS | Energy consumption stack (Wh) | 20QII-0001 | FLOAT | Wh | Energy consumption stack (Wh) | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT601 | Logic.Application | ELECTROLYZER | PROCESS | TT601 | 20TI-0601 | FLOAT | °C | O2 SIDE STACK 1 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT602 | Logic.Application | ELECTROLYZER | PROCESS | TT602 | 20TI-0602 | FLOAT | °C | O2 SIDE STACK 2 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT603 | Logic.Application | ELECTROLYZER | PROCESS | TT603 | 20TI-0603 | FLOAT | °C | O2 SIDE STACK 3 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT604 | Logic.Application | ELECTROLYZER | PROCESS | TT604 | 20TI-0604 | FLOAT | °C | O2 SIDE STACK 4 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT605 | Logic.Application | ELECTROLYZER | PROCESS | TT605 | 20TI-0605 | FLOAT | °C | O2 SIDE STACK 5 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT606 | Logic.Application | ELECTROLYZER | PROCESS | TT606 | 20TI-0606 | FLOAT | °C | O2 SIDE STACK 6 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT607 | Logic.Application | ELECTROLYZER | PROCESS | TT607 | 20TI-0607 | FLOAT | °C | O2 SIDE STACK 7 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT608 | Logic.Application | ELECTROLYZER | PROCESS | TT608 | 20TI-0608 | FLOAT | °C | O2 SIDE STACK 8 OUTLET TEMPERATURE | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_FT-600 | Logic.Application | ELECTROLYZER | PROCESS | FT-600 | 20FI-0600 | FLOAT | NM3/H | FLOW TRANSMITTER 200 M3/H H2O+O2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_FT-620 | Logic.Application | ELECTROLYZER | PROCESS | FT-620 | 20FI-0620 | FLOAT | NM3/H | FLOW TRANSMITTER 80 M3/H H2O+H2 ATEX DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-611 | Logic.Application | ELECTROLYZER | PROCESS | PT-611 | 20PI-0611 | FLOAT | BARG | PRESSURE TRANSMITTER 16 BARG O2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-612 | Logic.Application | ELECTROLYZER | PROCESS | PT-612 | 20PI-0612 | FLOAT | BARG | PRESSURE TRANSMITTER 16 BARG O2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-631 | Logic.Application | ELECTROLYZER | PROCESS | PT-631 | 20PI-0631 | FLOAT | BARG | PRESSURE TRANSMITTER 40 BARG H2/N2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-632 | Logic.Application | ELECTROLYZER | PROCESS | PT-632 | 20PI-0632 | FLOAT | BARG | PRESSURE TRANSMITTER 40 BARG H2/N2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-633 | Logic.Application | ELECTROLYZER | PROCESS | PT-633 | 20PI-0633 | FLOAT | BARG | PRESSURE TRANSMITTER 40 BARG H2/N2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-910 | Logic.Application | ELECTROLYZER | PROCESS | PT-910 | 20PI-0910 | FLOAT | BARG | PRESSURE TRANSMITTER 40 BARG H2/N2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-920 | Logic.Application | ELECTROLYZER | PROCESS | PT-920 | 20PI-0920 | FLOAT | BARG | PRESSURE TRANSMITTER 40 BARG H2/N2 ATEX SIL DEGREASED | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_LT-300 | Logic.Application | ELECTROLYZER | PROCESS | LT-300 | 20LI-0300 | FLOAT | % | Level Transmitter | Package PWT-300 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TI-1002 | Logic.Application | ELECTROLYZER | PROCESS | TT-1002 | 20TI-1002 | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_AHD-1002 | Logic.Application | ELECTROLYZER | PROCESS | AHD-1002 | 20AHD-0015 | FLOAT | % LIE | AMBIENT HYDROGEN DETECTOR 0.01KG/S 28M H2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_AHD-1003 | Logic.Application | ELECTROLYZER | PROCESS | AHD-1003 | 20AHD-0016 | FLOAT | % LIE | AMBIENT HYDROGEN DETECTOR | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_DPRT-1000 | Logic.Application | ELECTROLYZER | PROCESS | DPRT-1000 | 20DPRT-0017 | FLOAT | BARG | DIFFERENTIAL PRESSURE TRANSMITTER | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-001 | Logic.Application | ELECTROLYZER | PROCESS | IM-001 | 20IM-0018 | FLOAT | A | Output current of Rectifier 1 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-002 | Logic.Application | ELECTROLYZER | PROCESS | IM-002 | 20IM-0019 | FLOAT | A | Output current of Rectifier 2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-003 | Logic.Application | ELECTROLYZER | PROCESS | IM-003 | 20IM-0020 | FLOAT | A | Output current of Rectifier 3 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_IM-004 | Logic.Application | ELECTROLYZER | PROCESS | IM-004 | 20IM-0004 | FLOAT | A | Output current of Rectifier 4 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_PT-64_1 | Logic.Application | ELECTROLYZER | PROCESS | PT-64.1 | 20PI-0641 | FLOAT | BARG | HPU AQUAGAS Pressure transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-60_1 | Logic.Application | ELECTROLYZER | PROCESS | TT-60.1 | 20TI-9601 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-60_2 | Logic.Application | ELECTROLYZER | PROCESS | TT-60.2 | 20TI-9602 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-60_3 | Logic.Application | ELECTROLYZER | PROCESS | TT-60.3 | 20TI-9603 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-61_1 | Logic.Application | ELECTROLYZER | PROCESS | TT-61.1 | 20TI-9604 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-64_5 | Logic.Application | ELECTROLYZER | PROCESS | TT-64.5 | 20TI-9605 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-64_6 | Logic.Application | ELECTROLYZER | PROCESS | TT-64.6 | 20TI-9606 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-64_7 | Logic.Application | ELECTROLYZER | PROCESS | TT-64.7 | 20TI-9607 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-64_8 | Logic.Application | ELECTROLYZER | PROCESS | TT-64.8 | 20TI-9608 | FLOAT | °C | HPU AQUAGAS Temperature transmitter | Package HPP-700 | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-202A | Logic.Application | ELECTROLYZER | PROCESS | TT-202A | 20TI-202A | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | ATEX DEGREASED | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-202B | Logic.Application | ELECTROLYZER | PROCESS | TT-202B | 20TI-202B | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | ATEX DEGREASED | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-621 | Logic.Application | ELECTROLYZER | PROCESS | TT-621 | 20TI-0621 | FLOAT | °C | TEMPERATURE TRANSMITTER 0/120 DEG | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-1002 | Logic.Application | ELECTROLYZER | PROCESS | TT-1002 | 20TI-9002 | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_TT-1003 | Logic.Application | ELECTROLYZER | PROCESS | TT-1003 | 20TI-9003 | FLOAT | °C | TEMPERATURE TRANSMITTER -20/80 DEG ATEX | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-001 | Logic.Application | ELECTROLYZER | PROCESS | VM-001 | 20VM-0011 | FLOAT | V | Voltage sensor of stack 1 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-002 | Logic.Application | ELECTROLYZER | PROCESS | VM-002 | 20VM-0012 | FLOAT | V | Voltage sensor of stack 2 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-003 | Logic.Application | ELECTROLYZER | PROCESS | VM-003 | 20VM-0013 | FLOAT | V | Voltage sensor of stack 3 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-004 | Logic.Application | ELECTROLYZER | PROCESS | VM-004 | 20VM-0014 | FLOAT | V | Voltage sensor of stack 4 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-005 | Logic.Application | ELECTROLYZER | PROCESS | VM-005 | 20VM-0015 | FLOAT | V | Voltage sensor of stack 5 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-006 | Logic.Application | ELECTROLYZER | PROCESS | VM-006 | 20VM-0016 | FLOAT | V | Voltage sensor of stack 6 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-007 | Logic.Application | ELECTROLYZER | PROCESS | VM-007 | 20VM-0017 | FLOAT | V | Voltage sensor of stack 7 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.PROCESS_VM-008 | Logic.Application | ELECTROLYZER | PROCESS | VM-008 | 20VM-0044 | FLOAT | V | Voltage sensor of stack 8 | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntellockSafetyFaults_SAFETY_FAULT_ALARM_CODE_1 | Logic.Application | ELECTROLYZER | IntellockSafetyFaults | SAFETY_FAULT_ALARM_CODE_1 | 20XZA-0001 | INT16 | | Each Bit of INT Code represent an alarm | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntellockSafetyFaults_SAFETY_FAULT_ALARM_CODE_2 | Logic.Application | ELECTROLYZER | IntellockSafetyFaults | SAFETY_FAULT_ALARM_CODE_2 | 20XZA-0002 | INT16 | | Each Bit of INT Code represent an alarm | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntellockSafetyFaults_SAFETY_FAULT_ALARM_CODE_3 | Logic.Application | ELECTROLYZER | IntellockSafetyFaults | SAFETY_FAULT_ALARM_CODE_3 | 20XZA-0003 | INT16 | | Each Bit of INT Code represent an alarm | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_Interlock_process_ALARM_(IP1)_CODE_01 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | Interlock process_ALARM (IP1)_CODE_01 | 20XA-0048 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_02 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_02 | 20XA-0021 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_03 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_03 | 20XA-0022 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_04 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_04 | 20XA-0023 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_05 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_05 | 20XA-0049 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_06 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_06 | 20XA-0050 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_07 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_07 | 20XA-0051 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_08 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_08 | 20XA-0052 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_09 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_09 | 20XA-0053 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_10 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_10 | 20XA-0054 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_11 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_11 | 20XA-0024 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessFaults_MAJOR_FAULT_ALARM_CODE_12 | Logic.Application | ELECTROLYZER | IntelockProcessFaults | MAJOR_FAULT_ALARM_CODE_12 | 20XA-0025 | INT16 | | Each Bit of INT Code represent a fault | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessWarning_Warning_CODE_13 | Logic.Application | ELECTROLYZER | IntelockProcessWarnin | Warning_CODE_13 | 20XA-0026 | INT16 | | Each Bit of INT Code represent a warning | | R | PROFINET | | | |
| Logic.Application.ELECTROLYZER.IntelockProcessWarning_Warning_CODE_14 | Logic.Application | ELECTROLYZER | IntelockProcessWarnin | Warning_CODE_14 | 20XA-0027 | INT16 | | Each Bit of INT Code represent a warning | | R | PROFINET | | | |
| Logic.Application.FUEL_CELL.AnalogCommands_POWER_SP | Logic.Application | FUEL_CELL | AnalogCommands | POWER_SP | 80IC-0057 | FLOAT | | Export Power Setpoint kW. Range 0 to 1200 kW | | R/W | MODBUS | 1000 | HOLDING REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_10ft-Container_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | 10ft - Container Temperature | 80TI-0039 | INT16 | | | Not implemented yet by package | R | MODBUS | 1117 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_10ft-Ventilation_Fan_Speed | Logic.Application | FUEL_CELL | AnalogStatus | 10ft - Ventilation Fan Speed | 80SPD-0040 | INT16 | | | Not implemented yet by package | R | MODBUS | 1118 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_40ft-Container_Temperature_2 | Logic.Application | FUEL_CELL | AnalogStatus | 40ft - Container Temperature 2 | 80TI-0035 | INT16 | | | Not implemented yet by package | R | MODBUS | 1113 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_40ft-Container_Temperature_3 | Logic.Application | FUEL_CELL | AnalogStatus | 40ft - Container Temperature 3 | 80TI-0036 | INT16 | | | Not implemented yet by package | R | MODBUS | 1114 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_40ft-Ventilation_Fan_1_Speed | Logic.Application | FUEL_CELL | AnalogStatus | 40ft - Ventilation Fan 1 Speed | 80SPD-0037 | INT16 | | | Not implemented yet by package | R | MODBUS | 1115 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_40ft-Ventilation_Fan_2_Speed | Logic.Application | FUEL_CELL | AnalogStatus | 40ft - Ventilation Fan 2 Speed | 80SPD-0038 | INT16 | | | Not implemented yet by package | R | MODBUS | 1116 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_40ft-Ventilation_Intake_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | 40ft - Ventilation Intake Temperature | 80TI-0034 | INT16 | | | Not implemented yet by package | R | MODBUS | 1112 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Ambient_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | Ambient Temperature | 80TI-0060 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1230 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Aux_AC_power | Logic.Application | FUEL_CELL | AnalogStatus | Aux AC power | 80II-0045 | INT16 | | | | R | MODBUS | 1041 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Apparent_Power | Logic.Application | FUEL_CELL | AnalogStatus | AUX Apparent Power | 80II-0078 | FLOAT | | | | R | MODBUS | 1341 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Current_L1 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Current L1 | 80CI-4159 | FLOAT | | | | R | MODBUS | 1336 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Current_L2 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Current L2 | 80CI-4260 | FLOAT | | | | R | MODBUS | 1337 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Current_L3 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Current L3 | 80CI-4361 | FLOAT | | | | R | MODBUS | 1338 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Frequency | Logic.Application | FUEL_CELL | AnalogStatus | AUX Frequency | 80FRQ-0093 | FLOAT | | | | R | MODBUS | 1343 | INPUT REGISTER | UINT16 |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Power | Logic.Application | FUEL_CELL | AnalogStatus | AUX Power | 80JI-0062 | FLOAT | | | | R | MODBUS | 1339 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Power_Factor | Logic.Application | FUEL_CELL | AnalogStatus | AUX Power Factor | 80XI-1992 | FLOAT | | | | R | MODBUS | 1342 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Reactive_Power | Logic.Application | FUEL_CELL | AnalogStatus | AUX Reactive Power | 80JI-1763 | FLOAT | | | | R | MODBUS | 1340 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L1L2 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L1L2 | 80VI-4146 | FLOAT | | | | R | MODBUS | 1330 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L1N | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L1N | 80VI-4138 | FLOAT | | | | R | MODBUS | 1333 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L2L3 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L2L3 | 80VI-2347 | FLOAT | | | | R | MODBUS | 1331 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L2N | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L2N | 80VI-4239 | FLOAT | | | | R | MODBUS | 1334 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L3L1 | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L3L1 | 80VI-4137 | FLOAT | | | | R | MODBUS | 1332 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_AUX_Voltage_L3N | Logic.Application | FUEL_CELL | AnalogStatus | AUX Voltage L3N | 80VI-4340 | FLOAT | | | | R | MODBUS | 1335 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Available_Unused_Power_(AUP) | Logic.Application | FUEL_CELL | AnalogStatus | Available Unused Power (AUP) | 80JI-0041 | INT16 | | | Not implemented yet by package | R | MODBUS | 1119 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Calculated_Maximum_Power_(CMP) | Logic.Application | FUEL_CELL | AnalogStatus | Calculated Maximum Power (CMP) | 80JI-0042 | INT16 | | | Not implemented yet by package | R | MODBUS | 1120 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Container_intake_air_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | Container intake air Temperature | 80TI-0061 | FLOAT | | | | R | MODBUS | 1231 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_1 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 1 | 80ERR-0046 | INT16 | | | Not implemented yet by package | R | MODBUS | 1050 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_10 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 10 | 80ERR-0010 | INT16 | | | Not implemented yet by package | R | MODBUS | 1059 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_11 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 11 | 80ERR-0011 | INT16 | | | Not implemented yet by package | R | MODBUS | 1060 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_12 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 12 | 80ERR-0022 | INT16 | | | Not implemented yet by package | R | MODBUS | 1061 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_13 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 13 | 80ERR-0048 | INT16 | | | Not implemented yet by package | R | MODBUS | 1062 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_14 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 14 | 80ERR-0049 | INT16 | | | Not implemented yet by package | R | MODBUS | 1063 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_15 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 15 | 80ERR-0050 | INT16 | | | Not implemented yet by package | R | MODBUS | 1064 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_16 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 16 | 80ERR-0051 | INT16 | | | Not implemented yet by package | R | MODBUS | 1065 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_17 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 17 | 80ERR-0016 | INT16 | | | Not implemented yet by package | R | MODBUS | 1066 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_18 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 18 | 80ERR-0017 | INT16 | | | Not implemented yet by package | R | MODBUS | 1067 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_19 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 19 | 80ERR-0019 | INT16 | | | Not implemented yet by package | R | MODBUS | 1068 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_2 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 2 | 80ERR-0047 | INT16 | | | Not implemented yet by package | R | MODBUS | 1051 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_20 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 20 | 80ERR-0021 | INT16 | | | Not implemented yet by package | R | MODBUS | 1069 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_3 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 3 | 80ERR-0020 | INT16 | | | Not implemented yet by package | R | MODBUS | 1052 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_4 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 4 | 80ERR-0002 | INT16 | | | Not implemented yet by package | R | MODBUS | 1053 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_5 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 5 | 80ERR-0005 | INT16 | | | Not implemented yet by package | R | MODBUS | 1054 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_6 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 6 | 80ERR-0006 | INT16 | | | Not implemented yet by package | R | MODBUS | 1055 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_7 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 7 | 80ERR-0018 | INT16 | | | Not implemented yet by package | R | MODBUS | 1056 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_8 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 8 | 80ERR-0008 | INT16 | | | Not implemented yet by package | R | MODBUS | 1057 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Error_Code_9 | Logic.Application | FUEL_CELL | AnalogStatus | Error Code 9 | 80ERR-0003 | INT16 | | | Not implemented yet by package | R | MODBUS | 1058 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Export_AC_Power | Logic.Application | FUEL_CELL | AnalogStatus | Export AC Power | 80JI-0019 | INT16 | | | | R | MODBUS | 1039 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC1 + DC/DC efficiency | 80UI-8145 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1203 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC1 DCDC A Power | 80JI-8103 | FLOAT | | | | R | MODBUS | 1239 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC1 DCDC B Power | 80JI-8104 | FLOAT | | | | R | MODBUS | 1240 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC1 H2 flow rate | 80UF-8125 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1223 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Hour Meter | 80UI-8126 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1280 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC1 shutdown counter | 80CNT-8101 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1303 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Stack Current String A | 80CI-8132 | FLOAT | | | | R | MODBUS | 1256 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Stack Current String B | 80CI-8117 | FLOAT | | | | R | MODBUS | 1257 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC1 stack lifetime produced energy | 80JI-8153 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1209 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Stack Power | 80JI-8128 | FLOAT | | | | R | MODBUS | 1238 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Stack Voltage String A | 80VI-8118 | FLOAT | | | | R | MODBUS | 1258 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC1 Stack Voltage String B | 80VI-8119 | FLOAT | | | | R | MODBUS | 1259 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC1 start counter | 80CNT-8134 | INT16 | | | Not implemented yet by package | R | MODBUS | 1296 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC1_State | Logic.Application | FUEL_CELL | AnalogStatus | FC1_State | 80UI-8134 | INT16 | | Fuel Cell Module #1 Statemachine Index (enumeration) | | R | MODBUS | 1001 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC2 + DC/DC efficiency | 80UI-8246 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1204 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC2 DCDC A Power | 80JI-8277 | FLOAT | | | | R | MODBUS | 1242 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC2 DCDC B Power | 80JI-8216 | FLOAT | | | | R | MODBUS | 1243 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC2 H2 flow rate | 80UF-8226 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1224 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Hour Meter | 80UI-8227 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1282 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC2 shutdown counter | 80CNT-8278 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1304 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Stack Current String A | 80CI-8219 | FLOAT | | | | R | MODBUS | 1260 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Stack Current String B | 80CI-8230 | FLOAT | | | | R | MODBUS | 1261 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC2 stack lifetime produced energy | 80JI-8254 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1211 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Stack Power | 80JI-8276 | FLOAT | | | | R | MODBUS | 1241 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Stack Voltage String A | 80VI-8204 | FLOAT | | | | R | MODBUS | 1262 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC2 Stack Voltage String B | 80VI-8205 | FLOAT | | | | R | MODBUS | 1263 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC2 start counter | 80CNT-8235 | INT16 | | | Not implemented yet by package | R | MODBUS | 1297 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC2_State | Logic.Application | FUEL_CELL | AnalogStatus | FC2_State | 80UI-8218 | INT16 | | Fuel Cell Module #2 Statemachine Index | | R | MODBUS | 1002 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC3 + DC/DC efficiency | 80UI-8347 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1205 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC3 DCDC A Power | 80JI-8307 | FLOAT | | | | R | MODBUS | 1245 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC3 DCDC B Power | 80JI-8308 | FLOAT | | | | R | MODBUS | 1246 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC3 H2 flow rate | 80UF-8304 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1225 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Hour Meter | 80UI-8328 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1284 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC3 shutdown counter | 80CNT-8379 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1305 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Stack Current String A | 80CI-8303 | FLOAT | | | | R | MODBUS | 1264 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Stack Current String B | 80CI-8306 | FLOAT | | | | R | MODBUS | 1265 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC3 stack lifetime produced energy | 80JI-8355 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1213 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Stack Power | 80JI-8317 | FLOAT | | | | R | MODBUS | 1244 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Stack Voltage String A | 80VI-8304 | FLOAT | | | | R | MODBUS | 1266 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC3 Stack Voltage String B | 80VI-8366 | FLOAT | | | | R | MODBUS | 1267 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC3 start counter | 80CNT-8336 | INT16 | | | Not implemented yet by package | R | MODBUS | 1298 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC3_State | Logic.Application | FUEL_CELL | AnalogStatus | FC3_State | 80UI-8358 | INT16 | | Fuel Cell Module #3 Statemachine Index | | R | MODBUS | 1003 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC4 + DC/DC efficiency | 80UI-8448 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1206 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC4 DCDC A Power | 80JI-8437 | FLOAT | | | | R | MODBUS | 1248 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC4 DCDC B Power | 80JI-8412 | FLOAT | | | | R | MODBUS | 1249 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC4 H2 flow rate | 80UF-8457 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1226 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Hour Meter | 80UI-8429 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1286 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC4 shutdown counter | 80CNT-8480 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1306 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Stack Current String A | 80CI-8467 | FLOAT | | | | R | MODBUS | 1268 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Stack Current String B | 80CI-8421 | FLOAT | | | | R | MODBUS | 1269 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC4 stack lifetime produced energy | 80JI-8456 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1215 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Stack Power | 80JI-8464 | FLOAT | | | | R | MODBUS | 1247 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Stack Voltage String A | 80VI-8450 | FLOAT | | | | R | MODBUS | 1270 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC4 Stack Voltage String B | 80VI-8404 | FLOAT | | | | R | MODBUS | 1271 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC4 start counter | 80CNT-8439 | INT16 | | | Not implemented yet by package | R | MODBUS | 1299 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC4_State | Logic.Application | FUEL_CELL | AnalogStatus | FC4_State | 80UI-8459 | INT16 | | Fuel Cell Module #4 Statemachine Index | | R | MODBUS | 1004 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC5 + DC/DC efficiency | 80UI-8549 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1207 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC5 DCDC A Power | 80JI-8529 | FLOAT | | | | R | MODBUS | 1251 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC5 DCDC B Power | 80JI-8504 | FLOAT | | | | R | MODBUS | 1252 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC5 H2 flow rate | 80UF-8558 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1227 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Hour Meter | 80UI-8530 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1288 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC5 shutdown counter | 80CNT-8581 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1307 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Stack Current String A | 80CI-8522 | FLOAT | | | | R | MODBUS | 1272 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Stack Current String B | 80CI-8533 | FLOAT | | | | R | MODBUS | 1273 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC5 stack lifetime produced energy | 80JI-8503 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1217 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Stack Power | 80JI-8565 | FLOAT | | | | R | MODBUS | 1250 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Stack Voltage String A | 80VI-8534 | FLOAT | | | | R | MODBUS | 1274 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC5 Stack Voltage String B | 80VI-8535 | FLOAT | | | | R | MODBUS | 1275 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC5 start counter | 80CNT-8540 | INT16 | | | Not implemented yet by package | R | MODBUS | 1300 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC5_State | Logic.Application | FUEL_CELL | AnalogStatus | FC5_State | 80UI-8560 | INT16 | | Fuel Cell Module #5 Statemachine Index | | R | MODBUS | 1005 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_+_DC/DC_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | FC6 + DC/DC efficiency | 80UI-8652 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1208 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC6 DCDC A Power | 80JI-8630 | FLOAT | | | | R | MODBUS | 1254 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC6 DCDC B Power | 80JI-8631 | FLOAT | | | | R | MODBUS | 1255 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_H2_flow_rate | Logic.Application | FUEL_CELL | AnalogStatus | FC6 H2 flow rate | 80UF-8603 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1228 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Hour Meter | 80UI-8631 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1290 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC6 shutdown counter | 80CNT-8682 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1308 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Stack_Current_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Stack Current String A | 80CI-8636 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1276 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Stack_Current_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Stack Current String B | 80CI-8623 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1277 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_stack_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | FC6 stack lifetime produced energy | 80JI-8623 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1219 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Stack_Power | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Stack Power | 80JI-8605 | FLOAT | | | | R | MODBUS | 1253 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Stack_Voltage_String_A | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Stack Voltage String A | 80VI-8624 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1278 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_Stack_Voltage_String_B | Logic.Application | FUEL_CELL | AnalogStatus | FC6 Stack Voltage String B | 80VI-8625 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1279 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | FC6 start counter | 80CNT-8641 | INT16 | | | Not implemented yet by package | R | MODBUS | 1301 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FC6_State | Logic.Application | FUEL_CELL | AnalogStatus | FC6_State | 80UI-8661 | INT16 | | Fuel Cell Module #6 Statemachine Index | | R | MODBUS | 1006 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCM_RUNNING | Logic.Application | FUEL_CELL | AnalogStatus | FCM_RUNNING | 80UI-0063 | INT16 | | Number of Fuel Cell Modules Producing Power | | R | MODBUS | 1016 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_1_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 1 DCDC A Power | 80JI-0026 | FLOAT | | | | R | MODBUS | 1021 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_1_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 1 DCDC B Power | 80JI-0064 | FLOAT | | | | R | MODBUS | 1022 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_1_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 1 Power Internal | 80JI-0025 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1020 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_2_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 2 DCDC A Power | 80JI-0066 | FLOAT | | | | R | MODBUS | 1024 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_2_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 2 DCDC B Power | 80JI-0067 | FLOAT | | | | R | MODBUS | 1025 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_2_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 2 Power Internal | 80JI-0065 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1023 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_3_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 3 DCDC A Power | 80JI-0069 | FLOAT | | | | R | MODBUS | 1027 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_3_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 3 DCDC B Power | 80JI-0035 | FLOAT | | | | R | MODBUS | 1028 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_3_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 3 Power Internal | 80JI-0068 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1026 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_4_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 4 DCDC A Power | 80JI-0008 | FLOAT | | | | R | MODBUS | 1030 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_4_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 4 DCDC B Power | 80JI-0070 | FLOAT | | | | R | MODBUS | 1031 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_4_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 4 Power Internal | 80JI-0036 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1029 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_5_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 5 DCDC A Power | 80JI-0072 | FLOAT | | | | R | MODBUS | 1033 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_5_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 5 DCDC B Power | 80JI-0073 | FLOAT | | | | R | MODBUS | 1034 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_5_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 5 Power Internal | 80JI-0071 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1032 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_6_DCDC_A_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 6 DCDC A Power | 80JI-0075 | FLOAT | | | | R | MODBUS | 1036 | INPUT REGISTER | INT16 |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_6_DCDC_B_Power | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 6 DCDC B Power | 80II-0037 | FLOAT | | | | R | MODBUS | 1037 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_FCWave_6_Power_Internal | Logic.Application | FUEL_CELL | AnalogStatus | FCWave 6 Power Internal | 80II-0074 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1035 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_H2_Consumtion_Status_Word | Logic.Application | FUEL_CELL | AnalogStatus | H2 Consumtion Status Word | 80US-0059 | UINT | | Bitmask. Each bit (n) indicates that the FCn is consuming | Not implemented yet by package | R | MODBUS | 1229 | INPUT REGISTER | WORD |
| Logic.Application.FUEL_CELL.AnalogStatus_HT1_Coolant_Forward_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | HT1 Coolant Forward Temperature | 80TI-0022 | FLOAT | | | | R | MODBUS | 1235 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT1_Coolant_Return_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | HT1 Coolant Return Temperature | 80TI-0023 | FLOAT | | | | R | MODBUS | 1234 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT1-Flowrate | Logic.Application | FUEL_CELL | AnalogStatus | HT1 - Flowrate | 80UF-0024 | FLOAT | | | | R | MODBUS | 1102 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT1-Pump_RPM | Logic.Application | FUEL_CELL | AnalogStatus | HT1 - Pump RPM | 80SPD-0025 | INT16 | | | Not implemented yet by package | R | MODBUS | 1103 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT2_Coolant_Forward_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | HT2 Coolant Forward Temperature | 80TI-0026 | FLOAT | | | | R | MODBUS | 1237 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT2_Coolant_Return_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | HT2 Coolant Return Temperature | 80TI-0027 | FLOAT | | | | R | MODBUS | 1236 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT2-Flowrate | Logic.Application | FUEL_CELL | AnalogStatus | HT2 - Flowrate | 80UF-0028 | INT16 | | | Not implemented yet by package | R | MODBUS | 1106 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_HT2-Pump_RPM | Logic.Application | FUEL_CELL | AnalogStatus | HT2 - Pump RPM | 80SPD-0029 | INT16 | | | Not implemented yet by package | R | MODBUS | 1107 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_LT_Coolant_Return_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | LT Coolant Return Temperature | 80TI-0030 | FLOAT | | | | R | MODBUS | 1232 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_LT_Cooling_Forward_Temperature | Logic.Application | FUEL_CELL | AnalogStatus | LT Cooling Forward Temperature | 80TI-0031 | FLOAT | | | | R | MODBUS | 1233 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_LT-Flowrate | Logic.Application | FUEL_CELL | AnalogStatus | LT - Flowrate | 80UF-0032 | INT16 | | | Not implemented yet by package | R | MODBUS | 1110 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_LT-Pump_RPM | Logic.Application | FUEL_CELL | AnalogStatus | LT - Pump RPM | 80SPD-0033 | INT16 | | | Not implemented yet by package | R | MODBUS | 1111 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L1L2 | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L1L2 | 80VI-4157 | FLOAT | | | | R | MODBUS | 1324 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L1N | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L1N | 80VI-4143 | FLOAT | | | | R | MODBUS | 1327 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L2L3 | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L2L3 | 80VI-2358 | FLOAT | | | | R | MODBUS | 1325 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L2N | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L2N | 80VI-4244 | FLOAT | | | | R | MODBUS | 1328 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L3L1 | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L3L1 | 80VI-4142 | FLOAT | | | | R | MODBUS | 1326 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Busbar_Voltage_L3N | Logic.Application | FUEL_CELL | AnalogStatus | Main Busbar Voltage L3N | 80VI-4245 | FLOAT | | | | R | MODBUS | 1329 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Apparent_Power | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Apparent Power | 80II-0054 | FLOAT | | | | R | MODBUS | 1321 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Current_L1 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Current L1 | 80CI-4190 | INT16 | | | | R | MODBUS | 1316 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Current_L2 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Current L2 | 80CI-4291 | INT16 | | | | R | MODBUS | 1317 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Current_L3 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Current L3 | 80CI-4351 | INT16 | | | | R | MODBUS | 1318 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Frequency | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Frequency | 80FRQ-0056 | FLOAT | | | | R | MODBUS | 1323 | INPUT REGISTER | UINT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Power | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Power | 80II-0052 | FLOAT | | | | R | MODBUS | 1319 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Power_Factor | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Power Factor | 80XI-1955 | FLOAT | | | | R | MODBUS | 1322 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Reactive_Power | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Reactive Power | 80JI-1753 | FLOAT | | | | R | MODBUS | 1320 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L1L2 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L1L2 | 80VI-4184 | FLOAT | | | | R | MODBUS | 1310 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L1N | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L1N | 80VI-4187 | FLOAT | | | | R | MODBUS | 1313 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L2L3 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L2L3 | 80VI-2385 | FLOAT | | | | R | MODBUS | 1311 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L2N | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L2N | 80VI-4288 | FLOAT | | | | R | MODBUS | 1314 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L3L1 | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L3L1 | 80VI-4186 | FLOAT | | | | R | MODBUS | 1312 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Main_Output_Voltage_L3N | Logic.Application | FUEL_CELL | AnalogStatus | Main Output Voltage L3N | 80VI-4389 | FLOAT | | | | R | MODBUS | 1315 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Nanogrid AC_Power | Logic.Application | FUEL_CELL | AnalogStatus | Nanogrid AC Power | 80II-0044 | INT16 | | | Not implemented yet by package | R | MODBUS | 1040 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_Operating_state | Logic.Application | FUEL_CELL | AnalogStatus | Operating state | 80UI-0043 | INT16 | | | Not implemented yet by package | R | MODBUS | 1121 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_P_MAX | Logic.Application | FUEL_CELL | AnalogStatus | P_MAX | 80UI-0062 | INT16 | | Total Capacity of FC Package | | R | MODBUS | 1013 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_P_OPTIMIZED | Logic.Application | FUEL_CELL | AnalogStatus | P_OPTIMIZED | 80UI-0017 | INT16 | | Fuel Efficient Power Point | Not implemented yet by package | R | MODBUS | 1014 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_PLC_ON_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | PLC ON Hour Meter | 80UI-0035 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1294 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_StateMain | Logic.Application | FUEL_CELL | AnalogStatus | StateMain | 80UI-0033 | INT16 | | Main FC Package Statemachine Index (enumeration)<br>6:Initialization(Initialize)<br>10: Sleep(Sleep)<br>14: Wakeup(StartupContainerVentilation)<br>17: Wakeup(FCwaveWakeup)<br>19: Wakeup(HydrogenHeaterStartup)<br>20: Standby(Standby)<br>30: Startup(BatteryStartup)<br>40: Startup(NanogridStartup)<br>50: Startup(LTCoolantStartup)<br>60: Startup(MicrogridStartup)<br>100:Running(Running)<br>105:Rampdown(RampDownPower)<br>110:Rampdown(MicrogridShutdown)<br>120:Rampdown(ChargeBattery)<br>130:Rampdown(ShutdownFCwaves)<br>140:Aftercool(Aftercool)<br>160:Shutdown(ShutdownNanogrid)<br>172:Shutdown(ShutdownHydorgenHeater)<br>180:Shutdown(PutFCwavesToSleep)<br>190:Shutdown(ShutdownVentilation)<br>200:Error(Error) | | R | MODBUS | 1000 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_System_efficiency | Logic.Application | FUEL_CELL | AnalogStatus | System efficiency | 80UI-0044 | FLOAT | | +/- 5% ACCURACY | Not implemented yet by package | R | MODBUS | 1202 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_System_lifetime_produced_energy | Logic.Application | FUEL_CELL | AnalogStatus | System lifetime produced energy | 80II-0024 | UINT32 | | | Not implemented yet by package | R | MODBUS | 1221 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_System_ON_Hour_Meter | Logic.Application | FUEL_CELL | AnalogStatus | System ON Hour Meter | 80UI-0032 | FLOAT | | | Not implemented yet by package | R | MODBUS | 1292 | INPUT REGISTER | UINT32 |
| Logic.Application.FUEL_CELL.AnalogStatus_System_shutdown_counter | Logic.Application | FUEL_CELL | AnalogStatus | System shutdown counter | 80CNT-0083 | INT16 | | ONLY FAULTY SHUTDOWNS ARE COUNTED | Not implemented yet by package | R | MODBUS | 1309 | INPUT REGISTER | INT16 |
| Logic.Application.FUEL_CELL.AnalogStatus_System_start_counter | Logic.Application | FUEL_CELL | AnalogStatus | System start counter | 80CNT-0009 | INT16 | | | Not implemented yet by package | R | MODBUS | 1302 | INPUT REGISTER | INT16 |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Available_capacity | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Available_capacity | 89UI-0001 | UINT16 | kW | InverterSystem_Available_capacity | | w | MODBUS | 30001 | INPUT REGISTER | UINT16 |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Current_curtailment_setpoint | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Current_curtailment_setpoint | 89CI-0007 | UINT16 | kW | InverterSystem_Current_curtailment_setpoint | | w | MODBUS | 30003 | INPUT REGISTER | UINT16 |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Current_total_power | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Current_total_power | 89QI-0007 | UINT16 | kW | InverterSystem_Current_total_power | | w | MODBUS | 30005 | INPUT REGISTER | UINT16 |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Status | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Status | 89US-0004 | BOOL | | | InverterSystem_Status | R | MODBUS | 30007 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Fault | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Fault | 89US-0005 | BOOL | | | InverterSystem_Fault | R | MODBUS | 30008 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Maintenance | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Maintenance | 89US-3806 | BOOL | | | InverterSystem_Maintenance | R | MODBUS | 30099 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Curtailment_setpoint_CMD | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Curtailment_setpoint_CMD | 89UC-0001 | UINT16 | kW | InverterSystem_Curtailment_setpoint_CMD | InverterSystem_Curtailment_setpoint_CMD | W | MODBUS | 40001 | HOLDING REGISTER | UINT16 |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Startup_CMD | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Startup_CMD | 89ST-0001 | BOOL | | | InverterSystem_Startup_CMD | W | MODBUS | 40003 | HOLDING REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.InverterSystem_Shutdown_CMD | Logic.Application | SOLAR_FARM_GVL | | InverterSystem_Shutdown_CMD | 89SP-0001 | BOOL | | | InverterSystem_Shutdown_CMD | W | MODBUS | 40004 | HOLDING REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.Main_CB_OpenStatus | Logic.Application | SOLAR_FARM_GVL | | Main_CB_OpenStatus | 89ZSH-0005 | BOOL | | | Main_CB_OpenStatus | R | MODBUS | 30101 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.Main_CB_ClosedStatus | Logic.Application | SOLAR_FARM_GVL | | Main_CB_ClosedStatus | 89ZSL-0004 | BOOL | | | Main_CB_ClosedStatus | R | MODBUS | 30102 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.Main_CB_RemoteControlAvailable | Logic.Application | SOLAR_FARM_GVL | | Main_CB_RemoteControlAvailable | 89REM-0003 | BOOL | | | Main_CB_RemoteControlAvailable | R | MODBUS | 30103 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.Main_CB_OpenRequest_CMD | Logic.Application | SOLAR_FARM_GVL | | Main_CB_OpenRequest_CMD | 89ZSH-0006 | BOOL | | | Main_CB_OpenRequest_CMD | R | MODBUS | 40101 | HOLDING REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.Main_CB_ClosedRequest_CMD | Logic.Application | SOLAR_FARM_GVL | | Main_CB_ClosedRequest_CMD | 89ZSL-0005 | BOOL | | | Main_CB_ClosedRequest_CMD | R | MODBUS | 40102 | HOLDING REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_A_B_line_voltage | Logic.Application | SOLAR_FARM_GVL | | EQMeter_A_B_line_voltage | 89VI-0007 | FLOAT | V | EQMeter_A_B_line_voltage | | R | MODBUS | 30201 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_B_C_line_voltage | Logic.Application | SOLAR_FARM_GVL | | EQMeter_B_C_line_voltage | 89VI-0008 | FLOAT | V | EQMeter_B_C_line_voltage | | W | MODBUS | 30203 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_C_A_line_voltage | Logic.Application | SOLAR_FARM_GVL | | EQMeter_C_A_line_voltage | 89VI-0009 | FLOAT | V | EQMeter_C_A_line_voltage | | W | MODBUS | 30205 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_Phase_A_current | Logic.Application | SOLAR_FARM_GVL | | EQMeter_Phase_A_current | 89CI-0008 | FLOAT | A | EQMeter_Phase_A_current | | R | MODBUS | 30207 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_Phase_B_current | Logic.Application | SOLAR_FARM_GVL | | EQMeter_Phase_B_current | 89CI-0009 | FLOAT | A | EQMeter_Phase_B_current | | R | MODBUS | 30209 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_Phase_C_current | Logic.Application | SOLAR_FARM_GVL | | EQMeter_Phase_C_current | 89CI-0010 | FLOAT | A | EQMeter_Phase_C_current | | R | MODBUS | 30211 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.EQMeter_Total_active_power | Logic.Application | SOLAR_FARM_GVL | | EQMeter_Total_active_power | 89QJI-1808 | FLOAT | kW | EQMeter_Total_active_power | | R | MODBUS | 30213 | INPUT REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_A_B_line_voltage_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_A_B_line_voltage_CMD | 89VI-0010 | FLOAT | V | External_EQMeter_A_B_line_voltage_CMD | | W | MODBUS | 40301 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_B_C_line_voltage_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_B_C_line_voltage_CMD | 89VI-0011 | FLOAT | V | External_EQMeter_B_C_line_voltage_CMD | | W | MODBUS | 40303 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_C_A_line_voltage_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_C_A_line_voltage_CMD | 89VI-0012 | FLOAT | V | External_EQMeter_C_A_line_voltage_CMD | | W | MODBUS | 40305 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_Phase_A_current_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_Phase_A_current_CMD | 89CI-0011 | FLOAT | A | External_EQMeter_Phase_A_current_CMD | | W | MODBUS | 40307 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_Phase_B_current_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_Phase_B_current_CMD | 89CI-0012 | FLOAT | A | External_EQMeter_Phase_B_current_CMD | | W | MODBUS | 40309 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_Phase_C_current_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_Phase_C_current_CMD | 89CI-0013 | FLOAT | A | External_EQMeter_Phase_C_current_CMD | | W | MODBUS | 40311 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_EQMeter_Total_active_power_CMD | Logic.Application | SOLAR_FARM_GVL | | External_EQMeter_Total_active_power_CMD | 89QJI-1809 | FLOAT | kW | External_EQMeter_Total_active_power_CMD | | W | MODBUS | 40313 | HOLDING REGISTER | FLOAT |
| Logic.Application.SOLAR_FARM_GVL.External_CB_OpenStatus_CMD | Logic.Application | SOLAR_FARM_GVL | | External_CB_OpenStatus_CMD | 89ZSH-0007 | BOOL | | External_CB_OpenStatus_CMD | | W | MODBUS | 30401 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.External_CB_ClosedStatus_CMD | Logic.Application | SOLAR_FARM_GVL | | External_CB_ClosedStatus_CMD | 89ZSL-0006 | BOOL | | External_CB_ClosedStatus_CMD | | W | MODBUS | 30402 | INPUT REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.External_CB_OpenRequest | Logic.Application | SOLAR_FARM_GVL | | External_CB_OpenRequest | 89ZSH-0008 | BOOL | | External_CB_OpenRequest | | R | MODBUS | 40401 | HOLDING REGISTER | BIT |
| Logic.Application.SOLAR_FARM_GVL.External_CB_ClosedRequest | Logic.Application | SOLAR_FARM_GVL | | External_CB_ClosedRequest | 89ZSL-0007 | BOOL | | External_CB_ClosedRequest | | R | MODBUS | 40402 | HOLDING REGISTER | BIT |
| Logic.Application.BESS.Status1_Statusword | Logic.Application | BESS | Status1 | Statusword | 85US-9102 | UINT16 | | Bitmask<br>0:Warning<br>1:Error<br>2:Preheat State<br>3:Standby State<br>4:Precharge State<br>5:Ready State<br>6:Active State "In Operation"<br>7:Safety relais triggered<br>8:Smoke detector triggered<br>9:main switch on | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_Warning | Logic.Application | BESS_GVL | | Status1_StatusWord_Warning | 85XA-9101 | BOOL | | | Status1_StatusWord_Warning | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_Error | Logic.Application | BESS_GVL | | Status1_StatusWord_Error | 85XA-9102 | BOOL | | | Status1_StatusWord_Error | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_PhreHeat | Logic.Application | BESS_GVL | | Status1_StatusWord_PhreHeat | 85US-9108 | BOOL | | | Status1_StatusWord_PhreHeat | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_StandBy | Logic.Application | BESS_GVL | | Status1_StatusWord_StandBy | 85US-9105 | BOOL | | | Status1_StatusWord_StandBy | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_PreCharge | Logic.Application | BESS_GVL | | Status1_StatusWord_PreCharge | 85US-9106 | BOOL | | | Status1_StatusWord_PreCharge | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_Ready | Logic.Application | BESS_GVL | | Status1_StatusWord_Ready | 85RDY-9101 | BOOL | | | Status1_StatusWord_Ready | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_ActiveInOperation | Logic.Application | BESS_GVL | | Status1_StatusWord_ActiveInOperation | 85US-9107 | BOOL | | | Status1_StatusWord_ActiveInOperation | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_SafetyRelaisTriggered | Logic.Application | BESS_GVL | | Status1_StatusWord_SafetyRelaisTriggered | 85XS-9101 | BOOL | | | Status1_StatusWord_SafetyRelaisTriggered | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_SmokeDetectorTriggered | Logic.Application | BESS_GVL | | Status1_StatusWord_SmokeDetectorTriggered | 85XS-9102 | BOOL | | | Status1_StatusWord_SmokeDetectorTriggered | | | | | |
| Logic.Application.BESS_GVL.Status1_StatusWord_MainSwitchOn | Logic.Application | BESS_GVL | | Status1_StatusWord_MainSwitchOn | 85US-9104 | BOOL | | | Status1_StatusWord_MainSwitchOn | | | | | |
| Logic.Application.BESS_GVL.Status1_HeartBeat | Logic.Application | BESS_GVL | | Status1_HeartBeat | 85US-9103 | INT16 | | | Status1_HeartBeat | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Control_Cab_Temp | Logic.Application | BESS_GVL | | Status1_Control_Cab_Temp | 85TI-9109 | INT16 | | | Status1_Control_Cab_Temp | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Power_Cab_Temp | Logic.Application | BESS_GVL | | Status1_Power_Cab_Temp | 85II-9104 | INT16 | | | Status1_Power_Cab_Temp | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Cab_Temp | Logic.Application | BESS_GVL | | Status1_Cab_Temp | 85TI-9110 | INT16 | | | Status1_Cab_Temp | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Cooling_Water_Temp | Logic.Application | BESS_GVL | | Status1_Cooling_Water_Temp | 85TI-9111 | INT16 | | | Status1_Cooling_Water_Temp | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Outside_Temp | Logic.Application | BESS_GVL | | Status1_Outside_Temp | 85TI-9128 | INT16 | | | Status1_Outside_Temp | | | | | |
| Logic.Application.BESS_GVL.Status1_Room_Temp | Logic.Application | BESS_GVL | | Status1_Room_Temp | 85TI-9129 | INT16 | | | Status1_Room_Temp | | | | | |
| Logic.Application.BESS_GVL.Status1_Actual_Records | Logic.Application | BESS_GVL | | Status1_Actual_Records | 85UI-9101 | INT16 | | | Status1_Actual_Records | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Record | Logic.Application | BESS_GVL | | Status1_Record | 85UI-9102 | INT16 | | | Status1_Record | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Record_Error_Number | Logic.Application | BESS_GVL | | Status1_Record_Error_Number | 85ERR-9101 | UINT32 | | | Status1_Record_Error_Number | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Record_Error_Level | Logic.Application | BESS_GVL | | Status1_Record_Error_Level | 85ERR-9102 | INT16 | | | Status1_Record_Error_Level | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Record_TimeStamp_Date | Logic.Application | BESS_GVL | | Status1_Record_TimeStamp_Date | 85UI-9103 | DATE | | | Status1_Record_TimeStamp_Date | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status1_Record_TimeStamp_Time | Logic.Application | BESS_GVL | | Status1_Record_TimeStamp_Time | 85UI-9104 | TIME | | | Status1_Record_TimeStamp_Time | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT_1_Temp | Logic.Application | BESS_GVL | | Status2_IGBT_1_Temp | 85TI-9212 | INT16 | | | Status2_IGBT_1_Temp | R | MODBUS | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.BESS_GVL.Status2_Inductor_1_Temp | Logic.Application | BESS_GVL | | Status2_Inductor_1_Temp | 85TI-9213 | INT16 | | Status2_Inductor_1_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT_2_Temp | Logic.Application | BESS_GVL | | Status2_IGBT_2_Temp | 85TI-9214 | INT16 | | Status2_IGBT_2_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_Inductor_2_Temp | Logic.Application | BESS_GVL | | Status2_Inductor_2_Temp | 85TI-9215 | INT16 | | Status2_Inductor_2_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT_3_Temp | Logic.Application | BESS_GVL | | Status2_IGBT_3_Temp | 85TI-9216 | INT16 | | Status2_IGBT_3_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_Inductor_3_Temp | Logic.Application | BESS_GVL | | Status2_Inductor_3_Temp | 85TI-9217 | INT16 | | Status2_Inductor_3_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT_4_Temp | Logic.Application | BESS_GVL | | Status2_IGBT_4_Temp | 85TI-9218 | INT16 | | Status2_IGBT_4_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_Inductor_4_Temp | Logic.Application | BESS_GVL | | Status2_Inductor_4_Temp | 85TI-9219 | INT16 | | Status2_Inductor_4_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT_5_Temp | Logic.Application | BESS_GVL | | Status2_IGBT_5_Temp | 85TI-9220 | INT16 | | Status2_IGBT_5_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_Inductor_5_Temp | Logic.Application | BESS_GVL | | Status2_Inductor_5_Temp | 85TI-9221 | INT16 | | Status2_Inductor_5_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_Grid_Frequency | Logic.Application | BESS_GVL | | Status2_Grid_Frequency | 85FRQ-9202 | FLOAT | | Status2_Grid_Frequency | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT1_RMS_Voltage | Logic.Application | BESS_GVL | | Status2_IGBT1_RMS_Voltage | 85VI-9204 | FLOAT | | Status2_IGBT1_RMS_Voltage | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT2_RMS_Voltage | Logic.Application | BESS_GVL | | Status2_IGBT2_RMS_Voltage | 85VI-9205 | FLOAT | | Status2_IGBT2_RMS_Voltage | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT3_RMS_Voltage | Logic.Application | BESS_GVL | | Status2_IGBT3_RMS_Voltage | 85VI-9206 | FLOAT | | Status2_IGBT3_RMS_Voltage | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT1_RMS_Current | Logic.Application | BESS_GVL | | Status2_IGBT1_RMS_Current | 85CI-9204 | FLOAT | | Status2_IGBT1_RMS_Current | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT2_RMS_Current | Logic.Application | BESS_GVL | | Status2_IGBT2_RMS_Current | 85CI-9205 | FLOAT | | Status2_IGBT2_RMS_Current | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status2_IGBT3_RMS_Current | Logic.Application | BESS_GVL | | Status2_IGBT3_RMS_Current | 85CI-9206 | FLOAT | | Status2_IGBT3_RMS_Current | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_StatusWord_Available | Logic.Application | BESS_GVL | | Status3_StatusWord_Available | 85US-9306 | BOOL | | Status3_StatusWord_Available | | R | | | | |
| Logic.Application.BESS_GVL.Status3_StatusWord_PRL_Active | Logic.Application | BESS_GVL | | Status3_StatusWord_PRL_Active | 85US-9305 | BOOL | | Status3_StatusWord_PRL_Active | | R | | | | |
| Logic.Application.BESS_GVL.Status3_ActivePower | Logic.Application | BESS_GVL | | Status3_ActivePower | 85JI-1805 | FLOAT | kW | Status3_ActivePower | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_ReactivePower | Logic.Application | BESS_GVL | | Status3_ReactivePower | 85JI-1706 | FLOAT | KVAr | Status3_ReactivePower | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_SOC | Logic.Application | BESS_GVL | | Status3_SOC | 85UI-9305 | FLOAT | % | Status3_SOC | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_SOH | Logic.Application | BESS_GVL | | Status3_SOH | 85UI-9306 | FLOAT | % | Status3_SOH | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_Charge_Power_Max | Logic.Application | BESS_GVL | | Status3_Charge_Power_Max | 85JI-9307 | FLOAT | kW | Status3_Charge_Power_Max | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_Discharge_Power_Max | Logic.Application | BESS_GVL | | Status3_Discharge_Power_Max | 85JI-9308 | FLOAT | kW | Status3_Discharge_Power_Max | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_Charge_Energy | Logic.Application | BESS_GVL | | Status3_Charge_Energy | 85JI-9309 | FLOAT | kWh | Status3_Charge_Energy | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_Discharge_Energy | Logic.Application | BESS_GVL | | Status3_Discharge_Energy | 85JI-9310 | FLOAT | kWh | Status3_Discharge_Energy | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Status3_Convert_Operating_Mode | Logic.Application | BESS_GVL | | Status3_Convert_Operating_Mode | 85UI-9307 | INT16 | | Status3_Convert_Operating_Mode | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Balancing_Demand | Logic.Application | BESS_GVL | | String_StatusWord_Balancing_Demand | 85US-0001 | | | String_StatusWord_Balancing_Demand | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Balancing_Active | Logic.Application | BESS_GVL | | String_StatusWord_Balancing_Active | 85US-0002 | | | String_StatusWord_Balancing_Active | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Battery_Rack1_Connected | Logic.Application | BESS_GVL | | String_StatusWord_Battery_Rack1_Connected | 85US-0003 | | | String_StatusWord_Battery_Rack1_Connected | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Battery_Rack2_Connected | Logic.Application | BESS_GVL | | String_StatusWord_Battery_Rack2_Connected | 85US-0004 | | | String_StatusWord_Battery_Rack2_Connected | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Battery_Rack1_Error | Logic.Application | BESS_GVL | | String_StatusWord_Battery_Rack1_Error | 85XA-0001 | | | String_StatusWord_Battery_Rack1_Error | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Battery_Rack2_Error | Logic.Application | BESS_GVL | | String_StatusWord_Battery_Rack2_Error | 85XA-0002 | | | String_StatusWord_Battery_Rack2_Error | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Smoke_Detector_Triggered_Battery_Rack1 | Logic.Application | BESS_GVL | | String_StatusWord_Smoke_Detector_Triggered_Battery_Rack1 | 85XS-0001 | | | String_StatusWord_Smoke_Detector_Triggered_Battery_Rack1 | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Smoke_Detector_Triggered_Battery_Rack2 | Logic.Application | BESS_GVL | | String_StatusWord_Smoke_Detector_Triggered_Battery_Rack2 | 85XS-0002 | | | String_StatusWord_Smoke_Detector_Triggered_Battery_Rack2 | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Gas_Alarm_Battery_Rack_1 | Logic.Application | BESS_GVL | | String_StatusWord_Gas_Alarm_Battery_Rack_1 | 85XA-0003 | | | String_StatusWord_Gas_Alarm_Battery_Rack_1 | | | | | | |
| Logic.Application.BESS_GVL.String_StatusWord_Gas_Alarm_Battery_Rack_2 | Logic.Application | BESS_GVL | | String_StatusWord_Gas_Alarm_Battery_Rack_2 | 85XA-0004 | | | String_StatusWord_Gas_Alarm_Battery_Rack_2 | | | | | | |
| Logic.Application.BESS_GVL.String_Current_1 | Logic.Application | BESS_GVL | | String_Current_1 | 85CI-7307 | FLOAT | | String_Current_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Voltage_1 | Logic.Application | BESS_GVL | | String_Voltage_1 | 85VI-7307 | FLOAT | | String_Voltage_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Voltage_Min_1 | Logic.Application | BESS_GVL | | String_Cell_Voltage_Min_1 | 85VI-7308 | FLOAT | | String_Cell_Voltage_Min_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Voltage_Max_1 | Logic.Application | BESS_GVL | | String_Cell_Voltage_Max_1 | 85VI-7309 | FLOAT | | String_Cell_Voltage_Max_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Temp_Min_1 | Logic.Application | BESS_GVL | | String_Cell_Temp_Min_1 | 85TI-7322 | FLOAT | | String_Cell_Temp_Min_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Temp_Max_1 | Logic.Application | BESS_GVL | | String_Cell_Temp_Max_1 | 85TI-7323 | FLOAT | | String_Cell_Temp_Max_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_SOC_1 | Logic.Application | BESS_GVL | | String_SOC_1 | 85UI-7308 | FLOAT | | String_SOC_1 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Current_2 | Logic.Application | BESS_GVL | | String_Current_2 | 85CI-7308 | FLOAT | | String_Current_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Voltage_2 | Logic.Application | BESS_GVL | | String_Voltage_2 | 85VI-7310 | FLOAT | | String_Voltage_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Voltage_Min_2 | Logic.Application | BESS_GVL | | String_Cell_Voltage_Min_2 | 85VI-7311 | FLOAT | | String_Cell_Voltage_Min_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Voltage_Max_2 | Logic.Application | BESS_GVL | | String_Cell_Voltage_Max_2 | 85VI-7312 | FLOAT | | String_Cell_Voltage_Max_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Temp_Min_2 | Logic.Application | BESS_GVL | | String_Cell_Temp_Min_2 | 85TI-7324 | FLOAT | | String_Cell_Temp_Min_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Cell_Temp_Max_2 | Logic.Application | BESS_GVL | | String_Cell_Temp_Max_2 | 85TI-7325 | FLOAT | | String_Cell_Temp_Max_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_SOC_2 | Logic.Application | BESS_GVL | | String_SOC_2 | 85UI-7309 | FLOAT | | String_SOC_2 | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_IGBT_1_Temp | Logic.Application | BESS_GVL | | String_IGBT_1_Temp | 85TI-7326 | INT16 | | String_IGBT_1_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.String_Inductor_1_Temp | Logic.Application | BESS_GVL | | String_Inductor_1_Temp | 85TI-7327 | INT16 | | String_Inductor_1_Temp | | R | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Controlword | Logic.Application | BESS_GVL | Control | Controlword | 85UI-0010 | INT16 | | Controlword | Bit:13 = 1 -> Start<br>Bit:13 = 0 -> Stop | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Reset_cmd | Logic.Application | BESS_GVL | | Control_Reset_cmd | 85RSTC-7302 | BOOL | | Control_Reset_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Preheating_System_cmd | Logic.Application | BESS_GVL | | Control_Enable_Preheating_System_cmd | 85UC-0001 | BOOL | | Control_Enable_Preheating_System_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Precharging_DC_Link_cmd | Logic.Application | BESS_GVL | | Control_Enable_Precharging_DC_Link_cmd | 85UC-0002 | BOOL | | Control_Enable_Precharging_DC_Link_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Primary_Control_Mode_cmd | Logic.Application | BESS_GVL | | Control_Enable_Primary_Control_Mode_cmd | 85UC-0003 | BOOL | | Control_Enable_Primary_Control_Mode_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_1_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_1_cmd | 85UC-0004 | BOOL | | Control_Enable_Balancing_DC_DC_1_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_2_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_2_cmd | 85UC-0005 | BOOL | | Control_Enable_Balancing_DC_DC_2_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_3_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_3_cmd | 85UC-0006 | BOOL | | Control_Enable_Balancing_DC_DC_3_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_4_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_4_cmd | 85UC-0007 | BOOL | | Control_Enable_Balancing_DC_DC_4_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_5_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_5_cmd | 85UC-0008 | BOOL | | Control_Enable_Balancing_DC_DC_5_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_6_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_6_cmd | 85UC-0009 | BOOL | | Control_Enable_Balancing_DC_DC_6_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_7_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_7_cmd | 85UC-00010 | BOOL | | Control_Enable_Balancing_DC_DC_7_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_8_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_8_cmd | 85UC-00011 | BOOL | | Control_Enable_Balancing_DC_DC_8_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Enable_Balancing_DC_DC_9_cmd | Logic.Application | BESS_GVL | | Control_Enable_Balancing_DC_DC_9_cmd | 85UC-00012 | BOOL | | Control_Enable_Balancing_DC_DC_9_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Start_Signal_From_EMCS_cmd | Logic.Application | BESS_GVL | | Control_Start_Signal_From_EMCS_cmd | 85UC-00013 | BOOL | | Control_Start_Signal_From_EMCS_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_HeartBeat_cmd | Logic.Application | BESS_GVL | | Control_HeartBeat_cmd | 85UI-0011 | INT16 | | Control_HeartBeat_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_HeartBeat_TimeOut_cmd | Logic.Application | BESS_GVL | | Control_HeartBeat_TimeOut_cmd | 85UI-7312 | INT16 | | Control_HeartBeat_TimeOut_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_Request_Alarm_Record_cmd | Logic.Application | BESS_GVL | | Control_Request_Alarm_Record_cmd | 85XA-7302 | INT16 | | Control_Request_Alarm_Record_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_ActivePower_cmd | Logic.Application | BESS_GVL | | Control_ActivePower_cmd | 85JI-7311 | INT16 | kW | Control_ActivePower_cmd | | W | MODBUS | | | |
| Logic.Application.BESS_GVL.Control_ReactivePower_cmd | Logic.Application | BESS_GVL | | Control_ReactivePower_cmd | 85JI-1712 | INT16 | | Control_ReactivePower_cmd | | W | MODBUS | | | |
| Logic.Application.TransformerAVR_GVL.Change_Tap_Position_Raise_On_CMD | Logic.Application | TransformerAVR_GVL | | Change_Tap_Position_Raise_On_CMD | 70UC-0021 | BOOL | | Change_Tap_Position_Raise_On_CMD | | W | MODBUS | 0 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Change_Tap_Position_Lower_On_CMD | Logic.Application | TransformerAVR_GVL | | Change_Tap_Position_Lower_On_CMD | 70UC-0022 | BOOL | | Change_Tap_Position_Lower_On_CMD | | W | MODBUS | 1 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Change_Voltage_Raise_On_CMD | Logic.Application | TransformerAVR_GVL | | Change_Voltage_Raise_On_CMD | 70UC-0023 | BOOL | | Change_Voltage_Raise_On_CMD | | W | MODBUS | 2 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Change_Voltage_Lower_On_CMD | Logic.Application | TransformerAVR_GVL | | Change_Voltage_Lower_On_CMD | 70UC-0024 | BOOL | | Change_Voltage_Lower_On_CMD | | W | MODBUS | 3 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Automatic_Manual_operation_On_CMD | Logic.Application | TransformerAVR_GVL | | Automatic_Manual_operation_On_CMD | 70UC-0025 | BOOL | | Automatic_Manual_operation_On_CMD | | W | MODBUS | 4 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_1_active_On_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_1_active_On_CMD | 70UC-0026 | BOOL | | Band_center_voltage_1_active_On_CMD | | W | MODBUS | 5 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_2_active_On_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_2_active_On_CMD | 70UC-0027 | BOOL | | Band_center_voltage_2_active_On_CMD | | W | MODBUS | 6 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_3_active_On_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_3_active_On_CMD | 70UC-0028 | BOOL | | Band_center_voltage_3_active_On_CMD | | W | MODBUS | 7 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Parallel_Independent_On_CMD | Logic.Application | TransformerAVR_GVL | | Parallel_Independent_On_CMD | 70UC-0029 | BOOL | | Parallel_Independent_On_CMD | | W | MODBUS | 10 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Master_mode_selection_activationparallel_control_On_CMD | Logic.Application | TransformerAVR_GVL | | Master_mode_selection_activationparallel_control_On_CMD | 70UC-0030 | BOOL | | Master_mode_selection_activationparallel_control_On_CMD | | W | MODBUS | 11 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Follower_mode_selection_activationparallel_control_On_CMD | Logic.Application | TransformerAVR_GVL | | Follower_mode_selection_activationparallel_control_On_CMD | 70UC-0031 | BOOL | | Follower_mode_selection_activationparallel_control_On_CMD | | W | MODBUS | 12 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Circulating_current_selection_activation_parallel_control_On_CMD | Logic.Application | TransformerAVR_GVL | | Circulating_current_selection_activation_parallel_control_On_CMD | 70UC-0032 | BOOL | | Circulating_current_selection_activation_parallel_control_On_CMD | | W | MODBUS | 13 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Line_Drop_Compensation_On_CMD | Logic.Application | TransformerAVR_GVL | | Line_Drop_Compensation_On_CMD | 70UC-0033 | BOOL | | Line_Drop_Compensation_On_CMD | | W | MODBUS | 14 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Time_delay_linear_or_integral_characteristic_for_regulation_of_voltage_On_CMD | Logic.Application | TransformerAVR_GVL | | Time_delay_linear_or_integral_characteristic_for_regulation_of_voltage | 70UC-0034 | BOOL | | Time_delay_linear_or_integral_characteristic_for_regulation_of_voltage_On_CMD | | W | MODBUS | 15 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.TAPCON_dynamic_set_point_control_On_CMD | Logic.Application | TransformerAVR_GVL | | TAPCON_dynamic_set_point_control_On_CMD | 70UC-0035 | BOOL | | TAPCON_dynamic_set_point_control_On_CMD | | W | MODBUS | 16 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_1_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_1_On_CMD | 70UC-0036 | BOOL | | General_Purpose_Command_1_On_CMD | | W | MODBUS | 113 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_2_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_2_On_CMD | 70UC-0037 | BOOL | | General_Purpose_Command_2_On_CMD | | W | MODBUS | 114 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_3_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_3_On_CMD | 70UC-0038 | BOOL | | General_Purpose_Command_3_On_CMD | | W | MODBUS | 115 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_4_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_4_On_CMD | 70UC-0039 | BOOL | | General_Purpose_Command_4_On_CMD | | W | MODBUS | 116 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_5_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_5_On_CMD | 70UC-0040 | BOOL | | General_Purpose_Command_5_On_CMD | | W | MODBUS | 117 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_6_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_6_On_CMD | 70UC-0041 | BOOL | | General_Purpose_Command_6_On_CMD | | W | MODBUS | 118 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_7_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_7_On_CMD | 70UC-0042 | BOOL | | General_Purpose_Command_7_On_CMD | | W | MODBUS | 119 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_8_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_8_On_CMD | 70UC-0043 | BOOL | | General_Purpose_Command_8_On_CMD | | W | MODBUS | 120 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_9_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_9_On_CMD | 70UC-0044 | BOOL | | General_Purpose_Command_9_On_CMD | | W | MODBUS | 121 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_10_On_CMD | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_10_On_CMD | 70UC-0045 | BOOL | | General_Purpose_Command_10_On_CMD | | W | MODBUS | 122 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Desired_power_factor_selection_activation_parallel_control_On_CMD | Logic.Application | TransformerAVR_GVL | | Desired_power_factor_selection_activation_parallel_control_On_CMD | 70UC-0046 | BOOL | | Desired_power_factor_selection_activation_parallel_control_On_CMD | | W | MODBUS | 363 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Desired_load_type_selection_On_CMD | Logic.Application | TransformerAVR_GVL | | Desired_load_type_selection_On_CMD | 70UC-0047 | BOOL | | Desired_load_type_selection_On_CMD | | W | MODBUS | 364 | COILS | BOOL |
| Logic.Application.TransformerAVR_GVL.Automatic_Manual_operation | Logic.Application | TransformerAVR_GVL | | Automatic_Manual_operation | 70AM-0002 | BOOL | | Automatic_Manual_operation | | R | MODBUS | 4 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_desired_value_1_active | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_desired_value_1_active | 70US-0068 | BOOL | | Band_center_voltage_desired_value_1_active | | R | MODBUS | 5 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_desired_value_2_active | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_desired_value_2_active | 70US-0069 | BOOL | | Band_center_voltage_desired_value_2_active | | R | MODBUS | 6 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_desired_value_3_active | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_desired_value_3_active | 70US-0070 | BOOL | | Band_center_voltage_desired_value_3_active | | R | MODBUS | 7 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Parallel_Independent | Logic.Application | TransformerAVR_GVL | | Parallel_Independent | 70US-0071 | BOOL | | Parallel_Independent | | R | MODBUS | 10 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Master_mode_selection_activationparallel_control | Logic.Application | TransformerAVR_GVL | | Master_mode_selection_activationparallel_control | 70US-0072 | BOOL | | Master_mode_selection_activationparallel_control | | R | MODBUS | 11 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Follower_mode_selection_activationparallel_control | Logic.Application | TransformerAVR_GVL | | Follower_mode_selection_activationparallel_control | 70US-0073 | BOOL | | Follower_mode_selection_activationparallel_control | | R | MODBUS | 12 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Circulating_current_selection_activation_parallel_control | Logic.Application | TransformerAVR_GVL | | Circulating_current_selection_activation_parallel_control | 70US-0074 | BOOL | | Circulating_current_selection_activation_parallel_control | | R | MODBUS | 13 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Line_Drop_Compensation | Logic.Application | TransformerAVR_GVL | | Line_Drop_Compensation | 70US-0075 | BOOL | | Line_Drop_Compensation | | R | MODBUS | 14 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Time_delay_linear_or_integral_characteristic | Logic.Application | TransformerAVR_GVL | | Time_delay_linear_or_integral_characteristic | 70US-0076 | BOOL | | Time_delay_linear_or_integral_characteristic | | R | MODBUS | 15 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.TAPCON_dynamic_set_point_control | Logic.Application | TransformerAVR_GVL | | TAPCON_dynamic_set_point_control | 70US-0077 | BOOL | | TAPCON_dynamic_set_point_control | | R | MODBUS | 16 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Error_of_parallel_operation | Logic.Application | TransformerAVR_GVL | | Error_of_parallel_operation | 70XA-0037 | BOOL | | Error_of_parallel_operation | | R | MODBUS | 25 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Tap_indication_error_eg_wrong_BCD_code | Logic.Application | TransformerAVR_GVL | | Tap_indication_error_eg_wrong_BCD_code | 70XS-0038 | BOOL | | Tap_indication_error_eg_wrong_BCD_code | | R | MODBUS | 26 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Local_operation | Logic.Application | TransformerAVR_GVL | | Local_operation | 70LOC-0001 | BOOL | | Local_operation | | R | MODBUS | 27 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Health_AVR | Logic.Application | TransformerAVR_GVL | | Health_AVR | 70US-0012 | BOOL | | Health_AVR | | R | MODBUS | 28 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Function_monitoring | Logic.Application | TransformerAVR_GVL | | Function_monitoring | 70US-0013 | BOOL | | Function_monitoring | | R | MODBUS | 29 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Motor_drive_running | Logic.Application | TransformerAVR_GVL | | Motor_drive_running | 70US-0014 | BOOL | | Motor_drive_running | | R | MODBUS | 30 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.LTC_inhibit_due_to_under_voltage | Logic.Application | TransformerAVR_GVL | | LTC_inhibit_due_to_under_voltage | 70XA-0067 | BOOL | | LTC_inhibit_due_to_under_voltage | | R | MODBUS | 31 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.LTC_inhibit_due_to_over_voltage | Logic.Application | TransformerAVR_GVL | | LTC_inhibit_due_to_over_voltage | 70XA-0068 | BOOL | | LTC_inhibit_due_to_over_voltage | | R | MODBUS | 32 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.LTC_inhibit_due_to_over_current | Logic.Application | TransformerAVR_GVL | | LTC_inhibit_due_to_over_current | 70XA-0069 | BOOL | | LTC_inhibit_due_to_over_current | | R | MODBUS | 33 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.End_position_raise_or_highest_allowed_tap_position_reached | Logic.Application | TransformerAVR_GVL | | End_position_raise_or_highest_allowed_tap_position_reached | 70US-0016 | BOOL | | End_position_raise_or_highest_allowed_tap_position_reached | | R | MODBUS | 34 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.End_position_lower_or_lowest_allowed_tap_position_reached | Logic.Application | TransformerAVR_GVL | | End_position_lower_or_lowest_allowed_tap_position_reached | 70US-0017 | BOOL | | End_position_lower_or_lowest_allowed_tap_position_reached | | R | MODBUS | 35 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Block_Automatic_Control | Logic.Application | TransformerAVR_GVL | | Block_Automatic_Control | 70AC-0001 | BOOL | | Block_Automatic_Control | | R | MODBUS | 36 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Voltage_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Voltage_high_limit_exceeded | 70XA-1001 | BOOL | | Voltage_high_limit_exceeded | | R | MODBUS | 37 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Voltage_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Voltage_high_limit_2_exceeded | 70XA-1002 | BOOL | | Voltage_high_limit_2_exceeded | | R | MODBUS | 38 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Voltage_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Voltage_low_limit_exceeded | 70XA-1003 | BOOL | | Voltage_low_limit_exceeded | | R | MODBUS | 39 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Voltage_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Voltage_low_limit_2_exceeded | 70XA-1004 | BOOL | | Voltage_low_limit_2_exceeded | | R | MODBUS | 40 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Current_overload | Logic.Application | TransformerAVR_GVL | | Current_overload | 70XA-0038 | BOOL | | Current_overload | | R | MODBUS | 41 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Current_overload_2 | Logic.Application | TransformerAVR_GVL | | Current_overload_2 | 70XA-0039 | BOOL | | Current_overload_2 | | R | MODBUS | 42 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Current_underload | Logic.Application | TransformerAVR_GVL | | Current_underload | 70XA-0040 | BOOL | | Current_underload | | R | MODBUS | 43 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Current_underload_2 | Logic.Application | TransformerAVR_GVL | | Current_underload_2 | 70XA-0041 | BOOL | | Current_underload_2 | | R | MODBUS | 44 | DISCRETE INPUTS | BOOL |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.TransformerAVR_GVL.Apparent_power_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Apparent_power_high_limit_exceeded | 70XA-1005 | BOOL | | Apparent_power_high_limit_exceeded | | R | MODBUS | 45 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Apparent_power_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Apparent_power_high_limit_2_exceeded | 70XA-1006 | BOOL | | Apparent_power_high_limit_2_exceeded | | R | MODBUS | 46 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Apparent_power_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Apparent_power_low_limit_exceeded | 70XA-1007 | BOOL | | Apparent_power_low_limit_exceeded | | R | MODBUS | 47 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Apparent_power_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Apparent_power_low_limit_2_exceeded | 70XA-1008 | BOOL | | Apparent_power_low_limit_2_exceeded | | R | MODBUS | 48 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Active_power_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Active_power_high_limit_exceeded | 70XA-1009 | BOOL | | Active_power_high_limit_exceeded | | R | MODBUS | 49 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Active_power_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Active_power_high_limit_2_exceeded | 70XA-1010 | BOOL | | Active_power_high_limit_2_exceeded | | R | MODBUS | 50 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Active_power_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Active_power_low_limit_exceeded | 70XA-1011 | BOOL | | Active_power_low_limit_exceeded | | R | MODBUS | 51 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Active_power_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Active_power_low_limit_2_exceeded | 70XA-1012 | BOOL | | Active_power_low_limit_2_exceeded | | R | MODBUS | 52 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Reactive_power_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Reactive_power_high_limit_exceeded | 70XA-1013 | BOOL | | Reactive_power_high_limit_exceeded | | R | MODBUS | 53 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Reactive_power_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Reactive_power_high_limit_2_exceeded | 70XA-1014 | BOOL | | Reactive_power_high_limit_2_exceeded | | R | MODBUS | 54 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Reactive_power_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Reactive_power_low_limit_exceeded | 70XA-1015 | BOOL | | Reactive_power_low_limit_exceeded | | R | MODBUS | 55 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Reactive_power_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Reactive_power_low_limit_2_exceeded | 70XA-1016 | BOOL | | Reactive_power_low_limit_2_exceeded | | R | MODBUS | 56 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Power_Factor_Cosinus_phi_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | Power_Factor_Cosinus_phi_low_limit_exceeded | 70XA-1017 | BOOL | | Power_Factor_Cosinus_phi_low_limit_exceeded | | R | MODBUS | 57 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Power_Factor_Cosinus_phi_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | Power_Factor_Cosinus_phi_low_limit_2_exceeded | 70XA-1018 | BOOL | | Power_Factor_Cosinus_phi_low_limit_2_exceeded | | R | MODBUS | 58 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Voltage_input_failure_eg_missing_connection | Logic.Application | TransformerAVR_GVL | | Voltage_input_failure_eg_missing_connection | 70XA-0042 | BOOL | | Voltage_input_failure_eg_missing_connection | | R | MODBUS | 59 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.TAPCON_dynamic_set_point_control_failure_TDSC | Logic.Application | TransformerAVR_GVL | | TAPCON_dynamic_set_point_control_failure_TDSC | 70XA-0043 | BOOL | | TAPCON_dynamic_set_point_control_failure_TDSC | | R | MODBUS | 112 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_1_GPC1 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_1_GPC1 | 70UC-7801 | BOOL | | General_Purpose_Command_1_GPC1 | | R | MODBUS | 113 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_2_GPC2 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_2_GPC2 | 70UC-7802 | BOOL | | General_Purpose_Command_2_GPC2 | | R | MODBUS | 114 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_3_GPC3 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_3_GPC3 | 70UC-7803 | BOOL | | General_Purpose_Command_3_GPC3 | | R | MODBUS | 115 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_4_GPC4 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_4_GPC4 | 70UC-7804 | BOOL | | General_Purpose_Command_4_GPC4 | | R | MODBUS | 116 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_5_GPC5 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_5_GPC5 | 70UC-7805 | BOOL | | General_Purpose_Command_5_GPC5 | | R | MODBUS | 117 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_6_GPC6 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_6_GPC6 | 70UC-7806 | BOOL | | General_Purpose_Command_6_GPC6 | | R | MODBUS | 118 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_7_GPC7 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_7_GPC7 | 70UC-7807 | BOOL | | General_Purpose_Command_7_GPC7 | | R | MODBUS | 119 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_8_GPC8 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_8_GPC8 | 70UC-7808 | BOOL | | General_Purpose_Command_8_GPC8 | | R | MODBUS | 120 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_9_GPC9 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_9_GPC9 | 70UC-7809 | BOOL | | General_Purpose_Command_9_GPC9 | | R | MODBUS | 121 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Command_10_GPC10 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Command_10_GPC10 | 70UC-7810 | BOOL | | General_Purpose_Command_10_GPC10 | | R | MODBUS | 122 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_1_GPM1 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_1_GPM1 | 70MSG-0001 | BOOL | | General_Purpose_Message_1_GPM1 | | R | MODBUS | 123 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_2_GPM2 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_2_GPM2 | 70MSG-0002 | BOOL | | General_Purpose_Message_2_GPM2 | | R | MODBUS | 124 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_3_GPM3 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_3_GPM3 | 70MSG-0003 | BOOL | | General_Purpose_Message_3_GPM3 | | R | MODBUS | 125 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_4_GPM4 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_4_GPM4 | 70MSG-0004 | BOOL | | General_Purpose_Message_4_GPM4 | | R | MODBUS | 126 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_5_GPM5 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_5_GPM5 | 70MSG-0005 | BOOL | | General_Purpose_Message_5_GPM5 | | R | MODBUS | 127 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_6_GPM6 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_6_GPM6 | 70MSG-0006 | BOOL | | General_Purpose_Message_6_GPM6 | | R | MODBUS | 128 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_7_GPM7 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_7_GPM7 | 70MSG-0007 | BOOL | | General_Purpose_Message_7_GPM7 | | R | MODBUS | 129 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_8_GPM8 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_8_GPM8 | 70MSG-0008 | BOOL | | General_Purpose_Message_8_GPM8 | | R | MODBUS | 130 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_9_GPM9 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_9_GPM9 | 70MSG-0009 | BOOL | | General_Purpose_Message_9_GPM9 | | R | MODBUS | 131 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_Purpose_Message_10_GPM10 | Logic.Application | TransformerAVR_GVL | | General_Purpose_Message_10_GPM10 | 70MSG-0010 | BOOL | | General_Purpose_Message_10_GPM10 | | R | MODBUS | 132 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Desired_power_factor_selection_activation_parallel_control | Logic.Application | TransformerAVR_GVL | | Desired_power_factor_selection_activation_parallel_control | 70HS-1910 | BOOL | | Desired_power_factor_selection_activation_parallel_control | | R | MODBUS | 363 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Desired_load_type_selection | Logic.Application | TransformerAVR_GVL | | Desired_load_type_selection | 70HS-0011 | BOOL | | Desired_load_type_selection | | R | MODBUS | 364 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Motor_protective_switch_triggered | Logic.Application | TransformerAVR_GVL | | Motor_protective_switch_triggered | 70XA-0044 | BOOL | | Motor_protective_switch_triggered | | R | MODBUS | 570 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Event_category_Information_active | Logic.Application | TransformerAVR_GVL | | Event_category_Information_active | 70XS-0039 | BOOL | | Event_category_Information_active | | R | MODBUS | 572 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Event_category_Warning_active | Logic.Application | TransformerAVR_GVL | | Event_category_Warning_active | 70XA-0045 | BOOL | | Event_category_Warning_active | | R | MODBUS | 573 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Event_category_Error_active | Logic.Application | TransformerAVR_GVL | | Event_category_Error_active | 70XA-0046 | BOOL | | Event_category_Error_active | | R | MODBUS | 574 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_1_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_1_low_limit_2_exceeded | 70XA-1019 | BOOL | | General_purpose_analog_input_1_low_limit_2_exceeded | | R | MODBUS | 695 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_1_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_1_low_limit_exceeded | 70XA-1020 | BOOL | | General_purpose_analog_input_1_low_limit_exceeded | | R | MODBUS | 696 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_1_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_1_high_limit_exceeded | 70XA-1021 | BOOL | | General_purpose_analog_input_1_high_limit_exceeded | | R | MODBUS | 697 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_1_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_1_high_limit_2_exceeded | 70XA-1022 | BOOL | | General_purpose_analog_input_1_high_limit_2_exceeded | | R | MODBUS | 698 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_2_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_2_low_limit_2_exceeded | 70XA-1023 | BOOL | | General_purpose_analog_input_2_low_limit_2_exceeded | | R | MODBUS | 699 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_2_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_2_low_limit_exceeded | 70XA-1024 | BOOL | | General_purpose_analog_input_2_low_limit_exceeded | | R | MODBUS | 700 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_2_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_2_high_limit_exceeded | 70XA-1025 | BOOL | | General_purpose_analog_input_2_high_limit_exceeded | | R | MODBUS | 701 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_2_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_2_high_limit_2_exceeded | 70XA-1026 | BOOL | | General_purpose_analog_input_2_high_limit_2_exceeded | | R | MODBUS | 702 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_3_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_3_low_limit_2_exceeded | 70XA-1027 | BOOL | | General_purpose_analog_input_3_low_limit_2_exceeded | | R | MODBUS | 703 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_3_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_3_low_limit_exceeded | 70XA-1028 | BOOL | | General_purpose_analog_input_3_low_limit_exceeded | | R | MODBUS | 704 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_3_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_3_high_limit_exceeded | 70XA-1029 | BOOL | | General_purpose_analog_input_3_high_limit_exceeded | | R | MODBUS | 705 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_3_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_3_high_limit_2_exceeded | 70XA-1030 | BOOL | | General_purpose_analog_input_3_high_limit_2_exceeded | | R | MODBUS | 706 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_4_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_4_low_limit_2_exceeded | 70XA-1031 | BOOL | | General_purpose_analog_input_4_low_limit_2_exceeded | | R | MODBUS | 707 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_4_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_4_low_limit_exceeded | 70XA-1032 | BOOL | | General_purpose_analog_input_4_low_limit_exceeded | | R | MODBUS | 708 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_4_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_4_high_limit_exceeded | 70XA-1033 | BOOL | | General_purpose_analog_input_4_high_limit_exceeded | | R | MODBUS | 709 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_4_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_4_high_limit_2_exceeded | 70XA-1034 | BOOL | | General_purpose_analog_input_4_high_limit_2_exceeded | | R | MODBUS | 710 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_5_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_5_low_limit_2_exceeded | 70XA-1035 | BOOL | | General_purpose_analog_input_5_low_limit_2_exceeded | | R | MODBUS | 711 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_5_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_5_low_limit_exceeded | 70XA-1036 | BOOL | | General_purpose_analog_input_5_low_limit_exceeded | | R | MODBUS | 712 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_5_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_5_high_limit_exceeded | 70XA-1037 | BOOL | | General_purpose_analog_input_5_high_limit_exceeded | | R | MODBUS | 713 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_5_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_5_high_limit_2_exceeded | 70XA-1038 | BOOL | | General_purpose_analog_input_5_high_limit_2_exceeded | | R | MODBUS | 714 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_6_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_6_low_limit_2_exceeded | 70XA-1039 | BOOL | | General_purpose_analog_input_6_low_limit_2_exceeded | | R | MODBUS | 715 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_6_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_6_low_limit_exceeded | 70XA-1040 | BOOL | | General_purpose_analog_input_6_low_limit_exceeded | | R | MODBUS | 716 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_6_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_6_high_limit_exceeded | 70XA-1041 | BOOL | | General_purpose_analog_input_6_high_limit_exceeded | | R | MODBUS | 717 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_6_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_6_high_limit_2_exceeded | 70XA-1042 | BOOL | | General_purpose_analog_input_6_high_limit_2_exceeded | | R | MODBUS | 718 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_7_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_7_low_limit_2_exceeded | 70XA-1043 | BOOL | | General_purpose_analog_input_7_low_limit_2_exceeded | | R | MODBUS | 719 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_7_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_7_low_limit_exceeded | 70XA-1044 | BOOL | | General_purpose_analog_input_7_low_limit_exceeded | | R | MODBUS | 720 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_7_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_7_high_limit_exceeded | 70XA-1045 | BOOL | | General_purpose_analog_input_7_high_limit_exceeded | | R | MODBUS | 721 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_7_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_7_high_limit_2_exceeded | 70XA-1046 | BOOL | | General_purpose_analog_input_7_high_limit_2_exceeded | | R | MODBUS | 722 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_8_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_8_low_limit_2_exceeded | 70XA-1047 | BOOL | | General_purpose_analog_input_8_low_limit_2_exceeded | | R | MODBUS | 723 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_8_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_8_low_limit_exceeded | 70XA-1048 | BOOL | | General_purpose_analog_input_8_low_limit_exceeded | | R | MODBUS | 724 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_8_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_8_high_limit_exceeded | 70XA-1049 | BOOL | | General_purpose_analog_input_8_high_limit_exceeded | | R | MODBUS | 725 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_8_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_8_high_limit_2_exceeded | 70XA-1050 | BOOL | | General_purpose_analog_input_8_high_limit_2_exceeded | | R | MODBUS | 726 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_9_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_9_low_limit_2_exceeded | 70XA-1051 | BOOL | | General_purpose_analog_input_9_low_limit_2_exceeded | | R | MODBUS | 727 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_9_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_9_low_limit_exceeded | 70XA-1052 | BOOL | | General_purpose_analog_input_9_low_limit_exceeded | | R | MODBUS | 728 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_9_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_9_high_limit_exceeded | 70XA-1053 | BOOL | | General_purpose_analog_input_9_high_limit_exceeded | | R | MODBUS | 729 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_9_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_9_high_limit_2_exceeded | 70XA-1054 | BOOL | | General_purpose_analog_input_9_high_limit_2_exceeded | | R | MODBUS | 730 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_10_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_10_low_limit_2_exceeded | 70XA-1055 | BOOL | | General_purpose_analog_input_10_low_limit_2_exceeded | | R | MODBUS | 731 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_10_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_10_low_limit_exceeded | 70XA-1056 | BOOL | | General_purpose_analog_input_10_low_limit_exceeded | | R | MODBUS | 732 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_10_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_10_high_limit_exceeded | 70XA-1057 | BOOL | | General_purpose_analog_input_10_high_limit_exceeded | | R | MODBUS | 733 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_10_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_10_high_limit_2_exceeded | 70XA-1058 | BOOL | | General_purpose_analog_input_10_high_limit_2_exceeded | | R | MODBUS | 734 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_11_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_11_low_limit_2_exceeded | 70XA-1059 | BOOL | | General_purpose_analog_input_11_low_limit_2_exceeded | | R | MODBUS | 735 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_11_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_11_low_limit_exceeded | 70XA-1060 | BOOL | | General_purpose_analog_input_11_low_limit_exceeded | | R | MODBUS | 736 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_11_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_11_high_limit_exceeded | 70XA-1061 | BOOL | | General_purpose_analog_input_11_high_limit_exceeded | | R | MODBUS | 737 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_11_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_11_high_limit_2_exceeded | 70XA-1062 | BOOL | | General_purpose_analog_input_11_high_limit_2_exceeded | | R | MODBUS | 738 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_12_low_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_12_low_limit_2_exceeded | 70XA-1063 | BOOL | | General_purpose_analog_input_12_low_limit_2_exceeded | | R | MODBUS | 739 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_12_low_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_12_low_limit_exceeded | 70XA-1064 | BOOL | | General_purpose_analog_input_12_low_limit_exceeded | | R | MODBUS | 740 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_12_high_limit_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_12_high_limit_exceeded | 70XA-1065 | BOOL | | General_purpose_analog_input_12_high_limit_exceeded | | R | MODBUS | 741 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_12_high_limit_2_exceeded | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_12_high_limit_2_exceeded | 70XA-1066 | BOOL | | General_purpose_analog_input_12_high_limit_2_exceeded | | R | MODBUS | 742 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.OLTC_position_even | Logic.Application | TransformerAVR_GVL | | OLTC_position_even | 70US-0025 | BOOL | | OLTC_position_even | | R | MODBUS | 834 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.OLTC_position_odd | Logic.Application | TransformerAVR_GVL | | OLTC_position_odd | 70US-0026 | BOOL | | OLTC_position_odd | | R | MODBUS | 835 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Tap_change_operation_incomplete | Logic.Application | TransformerAVR_GVL | | Tap_change_operation_incomplete | 70UC-0012 | BOOL | | Tap_change_operation_incomplete | | R | MODBUS | 836 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Switching_delay_only_TC230_AVT | Logic.Application | TransformerAVR_GVL | | Switching_delay_only_TC230_AVT | 70US-4927 | BOOL | | Switching_delay_only_TC230_AVT | | R | MODBUS | 854 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_1_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_1_DI_16_110V_1 | 70US-0028 | BOOL | | DIO_Input_X1_1_DI_16_110V_1 | | R | MODBUS | 2002 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_2_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_2_DI_16_110V_1 | 70US-0029 | BOOL | | DIO_Input_X1_2_DI_16_110V_1 | | R | MODBUS | 2003 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_3_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_3_DI_16_110V_1 | 70US-0030 | BOOL | | DIO_Input_X1_3_DI_16_110V_1 | | R | MODBUS | 2004 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_4_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_4_DI_16_110V_1 | 70US-0031 | BOOL | | DIO_Input_X1_4_DI_16_110V_1 | | R | MODBUS | 2005 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_5_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_5_DI_16_110V_1 | 70US-0032 | BOOL | | DIO_Input_X1_5_DI_16_110V_1 | | R | MODBUS | 2006 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_6_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_6_DI_16_110V_1 | 70US-0033 | BOOL | | DIO_Input_X1_6_DI_16_110V_1 | | R | MODBUS | 2007 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_7_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_7_DI_16_110V_1 | 70US-0034 | BOOL | | DIO_Input_X1_7_DI_16_110V_1 | | R | MODBUS | 2008 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X1_8_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X1_8_DI_16_110V_1 | 70US-0035 | BOOL | | DIO_Input_X1_8_DI_16_110V_1 | | R | MODBUS | 2009 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_1_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_1_DI_16_110V_1 | 70US-0036 | BOOL | | DIO_Input_X2_1_DI_16_110V_1 | | R | MODBUS | 2010 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_2_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_2_DI_16_110V_1 | 70US-0037 | BOOL | | DIO_Input_X2_2_DI_16_110V_1 | | R | MODBUS | 2011 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_3_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_3_DI_16_110V_1 | 70US-0038 | BOOL | | DIO_Input_X2_3_DI_16_110V_1 | | R | MODBUS | 2012 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_4_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_4_DI_16_110V_1 | 70US-0039 | BOOL | | DIO_Input_X2_4_DI_16_110V_1 | | R | MODBUS | 2013 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_5_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_5_DI_16_110V_1 | 70US-0040 | BOOL | | DIO_Input_X2_5_DI_16_110V_1 | | R | MODBUS | 2014 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_6_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_6_DI_16_110V_1 | 70US-0041 | BOOL | | DIO_Input_X2_6_DI_16_110V_1 | | R | MODBUS | 2015 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_7_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_7_DI_16_110V_1 | 70US-0042 | BOOL | | DIO_Input_X2_7_DI_16_110V_1 | | R | MODBUS | 2016 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.DIO_Input_X2_8_DI_16_110V_1 | Logic.Application | TransformerAVR_GVL | | DIO_Input_X2_8_DI_16_110V_1 | 70US-0043 | BOOL | | DIO_Input_X2_8_DI_16_110V_1 | | R | MODBUS | 2017 | DISCRETE INPUTS | BOOL |
| Logic.Application.TransformerAVR_GVL.Band_width_voltage | Logic.Application | TransformerAVR_GVL | | Band_width_voltage | 70VI-0023 | FLOAT | | Band_width_voltage | | R | MODBUS | 0 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_intentional_time_delay_for_regulation_of_voltage | Logic.Application | TransformerAVR_GVL | | Control_intentional_time_delay_for_regulation_of_voltage | 70VI-0024 | FLOAT | | Control_intentional_time_delay_for_regulation_of_voltage | | R | MODBUS | 1 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_resistance_component | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_resistance_component | 70VI-0025 | FLOAT | | Line_drop_voltage_due_to_line_resistance_component | | R | MODBUS | 2 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_reactance_component | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_reactance_component | 70VI-0026 | FLOAT | | Line_drop_voltage_due_to_line_reactance_component | | R | MODBUS | 3 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_voltage_below_which_auto_Lower_commands_blocked | Logic.Application | TransformerAVR_GVL | | Control_voltage_below_which_auto_Lower_commands_blocked | 70VI-0027 | FLOAT | | Control_voltage_below_which_auto_Lower_commands_blocked | | R | MODBUS | 4 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Limit_Load_Current | Logic.Application | TransformerAVR_GVL | | Limit_Load_Current | 70CI-0010 | FLOAT | | Limit_Load_Current | | R | MODBUS | 5 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_total_impedance | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_total_impedance | 70VI-0028 | FLOAT | | Line_drop_voltage_due_to_line_total_impedance | | R | MODBUS | 6 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Tap_position_of_Load_Tap_Changer_where_automatic_Raise_commands_are_blocked | Logic.Application | TransformerAVR_GVL | | Tap_position_of_Load_Tap_Changer_where_automatic_Raise_comman | 70UC-0013 | FLOAT | | Tap_position_of_Load_Tap_Changer_where_automatic_Raise_commands_are_blocked | | R | MODBUS | 7 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Tap_position_of_Load_Tap_Changer_where_automatic_Lower_commands_are_blocked | Logic.Application | TransformerAVR_GVL | | Tap_position_of_Load_Tap_Changer_where_automatic_Lower_commar | 70UC-0014 | FLOAT | | Tap_position_of_Load_Tap_Changer_where_automatic_Lower_commands_are_blocked | | R | MODBUS | 8 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_1_1 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_1_1 | 70VI-0029 | FLOAT | | Band_center_voltage_1_1 | | R | MODBUS | 9 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_2_1 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_2_1 | 70VI-0030 | FLOAT | | Band_center_voltage_2_1 | | R | MODBUS | 10 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_3_1 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_3_1 | 70VI-0031 | FLOAT | | Band_center_voltage_3_1 | | R | MODBUS | 11 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minumum_voltage_value_for_dynamic_setpoint_control_1 | Logic.Application | TransformerAVR_GVL | | Minumum_voltage_value_for_dynamic_setpoint_control_1 | 70VI-0032 | FLOAT | | Minumum_voltage_value_for_dynamic_setpoint_control_1 | | R | MODBUS | 14 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_voltage_value_for_dynamic_setpoint_control_1 | Logic.Application | TransformerAVR_GVL | | Maximum_voltage_value_for_dynamic_setpoint_control_1 | 70VI-0033 | FLOAT | | Maximum_voltage_value_for_dynamic_setpoint_control_1 | | R | MODBUS | 15 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_1 | Logic.Application | TransformerAVR_GVL | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_ | 70VI-0034 | FLOAT | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_1 | | R | MODBUS | 16 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minumum_active_power_value_for_dynamic_setpoint_control_1 | Logic.Application | TransformerAVR_GVL | | Minumum_active_power_value_for_dynamic_setpoint_control_1 | 70JI-0007 | FLOAT | | Minumum_active_power_value_for_dynamic_setpoint_control_1 | | R | MODBUS | 17 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_active_power_value_for_dynamic_setpoint_control_1 | Logic.Application | TransformerAVR_GVL | | Maximum_active_power_value_for_dynamic_setpoint_control_1 | 70JI-0008 | FLOAT | | Maximum_active_power_value_for_dynamic_setpoint_control_1 | | R | MODBUS | 18 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_4 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_4 | 70VI-0035 | FLOAT | | Band_center_voltage_4 | | R | MODBUS | 25 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_Voltage_1 | Logic.Application | TransformerAVR_GVL | | Control_Voltage_1 | 70VI-0036 | FLOAT | | Control_Voltage_1 | | R | MODBUS | 26 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_Voltage_Deviation | Logic.Application | TransformerAVR_GVL | | Control_Voltage_Deviation | 70VI-0037 | FLOAT | | Control_Voltage_Deviation | | R | MODBUS | 27 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Load_Current | Logic.Application | TransformerAVR_GVL | | Load_Current | 70CI-0011 | FLOAT | | Load_Current | | R | MODBUS | 28 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_Angle_of_LodA_relative_to_CtlV | Logic.Application | TransformerAVR_GVL | | Phase_Angle_of_LodA_relative_to_CtlV | 70UI-3301 | FLOAT | | Phase_Angle_of_LodA_relative_to_CtlV | | R | MODBUS | 29 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Circulating_Current_reactive | Logic.Application | TransformerAVR_GVL | | Circulating_Current_reactive | 70CI-0012 | FLOAT | | Circulating_Current_reactive | | R | MODBUS | 30 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Total_active_power_total_P_1 | Logic.Application | TransformerAVR_GVL | | Total_active_power_total_P_1 | 70QJI-1801 | FLOAT | | Total_active_power_total_P_1 | | R | MODBUS | 31 | INPUT REGISTER | FLOAT |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.TransformerAVR_GVL.Total_reactive_power_total_Q_1 | Logic.Application | TransformerAVR_GVL | | Total_reactive_power_total_Q_1 | 70QJI-1702 | FLOAT | | Total_reactive_power_total_Q_1 | | R | MODBUS | 32 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Total_apparent_power_total_S_1 | Logic.Application | TransformerAVR_GVL | | Total_apparent_power_total_S_1 | 70QJI-1603 | FLOAT | | Total_apparent_power_total_S_1 | | R | MODBUS | 33 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Average_power_factor_total_PF | Logic.Application | TransformerAVR_GVL | | Average_power_factor_total_PF | 70XI-1903 | FLOAT | | Average_power_factor_total_PF | | R | MODBUS | 34 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Frequency | Logic.Application | TransformerAVR_GVL | | Frequency | 70FRQ-0004 | FLOAT | | Frequency | | R | MODBUS | 35 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L1L2_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L1L2_1 | 70VI-1238 | FLOAT | | Phase_to_phase_voltage_L1L2_1 | | R | MODBUS | 36 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L2L3_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L2L3_1 | 70VI-2339 | FLOAT | | Phase_to_phase_voltage_L2L3_1 | | R | MODBUS | 37 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L3L1_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L3L1_1 | 70VI-3140 | FLOAT | | Phase_to_phase_voltage_L3L1_1 | | R | MODBUS | 38 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L1_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L1_1 | 70VI-4141 | FLOAT | | Phase_to_neutral_voltage_L1_1 | | R | MODBUS | 39 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L2_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L2_1 | 70VI-4242 | FLOAT | | Phase_to_neutral_voltage_L2_1 | | R | MODBUS | 40 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L3_1 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L3_1 | 70VI-4343 | FLOAT | | Phase_to_neutral_voltage_L3_1 | | R | MODBUS | 41 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_current_L1 | Logic.Application | TransformerAVR_GVL | | Phase_current_L1 | 70CI-4113 | FLOAT | | Phase_current_L1 | | R | MODBUS | 42 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_current_L2 | Logic.Application | TransformerAVR_GVL | | Phase_current_L2 | 70CI-4214 | FLOAT | | Phase_current_L2 | | R | MODBUS | 43 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_current_L3 | Logic.Application | TransformerAVR_GVL | | Phase_current_L3 | 70CI-4315 | FLOAT | | Phase_current_L3 | | R | MODBUS | 44 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_current_N | Logic.Application | TransformerAVR_GVL | | Phase_current_N | 70CI-0016 | FLOAT | | Phase_current_N | | R | MODBUS | 45 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L1_1 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L1_1 | 70JI-4112 | FLOAT | | Phase_active_power_P_L1_1 | | R | MODBUS | 46 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L2_1 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L2_1 | 70JI-4213 | FLOAT | | Phase_active_power_P_L2_1 | | R | MODBUS | 47 | INPUT REGISTER | FLOAT |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L3_1 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L3_1 | 70II-4314 | FLOAT | | Phase_active_power_P_L3_1 | | R | MODBUS | 48 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L1_1 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L1_1 | 70II-4115 | FLOAT | | Phase_reactive_power_Q_L1_1 | | R | MODBUS | 49 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L2_1 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L2_1 | 70II-4216 | FLOAT | | Phase_reactive_power_Q_L2_1 | | R | MODBUS | 50 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L3_1 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L3_1 | 70II-4317 | FLOAT | | Phase_reactive_power_Q_L3_1 | | R | MODBUS | 51 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L1_1 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L1_1 | 70II-4118 | FLOAT | | Phase_apparent_power_S_L1_1 | | R | MODBUS | 52 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L2_1 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L2_1 | 70II-4219 | FLOAT | | Phase_apparent_power_S_L2_1 | | R | MODBUS | 53 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L3_1 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L3_1 | 70II-4320 | FLOAT | | Phase_apparent_power_S_L3_1 | | R | MODBUS | 54 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_power_factor_L1 | Logic.Application | TransformerAVR_GVL | | Phase_power_factor_L1 | 70XI-1904 | FLOAT | | Phase_power_factor_L1 | | R | MODBUS | 55 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_power_factor_L2 | Logic.Application | TransformerAVR_GVL | | Phase_power_factor_L2 | 70XI-1905 | FLOAT | | Phase_power_factor_L2 | | R | MODBUS | 56 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_power_factor_L3 | Logic.Application | TransformerAVR_GVL | | Phase_power_factor_L3 | 70XI-1906 | FLOAT | | Phase_power_factor_L3 | | R | MODBUS | 57 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_Angle_U1I1 | Logic.Application | TransformerAVR_GVL | | Phase_Angle_U1I1 | 70UI-0002 | FLOAT | | Phase_Angle_U1I1 | | R | MODBUS | 58 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_Angle_U2I2 | Logic.Application | TransformerAVR_GVL | | Phase_Angle_U2I2 | 70UI-0003 | FLOAT | | Phase_Angle_U2I2 | | R | MODBUS | 59 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_Angle_U3I3 | Logic.Application | TransformerAVR_GVL | | Phase_Angle_U3I3 | 70UI-0004 | FLOAT | | Phase_Angle_U3I3 | | R | MODBUS | 60 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Tap_Position | Logic.Application | TransformerAVR_GVL | | Tap_Position | 70UI-0005 | FLOAT | | Tap_Position | | R | MODBUS | 61 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Operation_counter_LSB_MSB | Logic.Application | TransformerAVR_GVL | | Operation_counter_LSB_MSB | 70CNT-0001 | FLOAT | | Operation_counter_LSB_MSB | | R | MODBUS | 174 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Operation_counter_MSB | Logic.Application | TransformerAVR_GVL | | Operation_counter_MSB | 70CNT-0002 | FLOAT | | Operation_counter_MSB | | R | MODBUS | 175 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Desired_power_factor | Logic.Application | TransformerAVR_GVL | | Desired_power_factor | 70XI-1907 | FLOAT | | Desired_power_factor | | R | MODBUS | 184 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_1 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_1 | 70UI-0006 | FLOAT | | General_purpose_analog_input_1 | | R | MODBUS | 480 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_2 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_2 | 70UI-0007 | FLOAT | | General_purpose_analog_input_2 | | R | MODBUS | 481 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_3 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_3 | 70UI-0008 | FLOAT | | General_purpose_analog_input_3 | | R | MODBUS | 482 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_4 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_4 | 70UI-0009 | FLOAT | | General_purpose_analog_input_4 | | R | MODBUS | 483 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_5 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_5 | 70UI-0010 | FLOAT | | General_purpose_analog_input_5 | | R | MODBUS | 484 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_6 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_6 | 70UI-0011 | FLOAT | | General_purpose_analog_input_6 | | R | MODBUS | 485 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_7 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_7 | 70UI-0012 | FLOAT | | General_purpose_analog_input_7 | | R | MODBUS | 486 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_8 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_8 | 70UI-0013 | FLOAT | | General_purpose_analog_input_8 | | R | MODBUS | 487 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_9 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_9 | 70UI-0014 | FLOAT | | General_purpose_analog_input_9 | | R | MODBUS | 488 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_10 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_10 | 70UI-0015 | FLOAT | | General_purpose_analog_input_10 | | R | MODBUS | 489 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_11 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_11 | 70UI-0016 | FLOAT | | General_purpose_analog_input_11 | | R | MODBUS | 490 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.General_purpose_analog_input_12 | Logic.Application | TransformerAVR_GVL | | General_purpose_analog_input_12 | 70UI-0017 | FLOAT | | General_purpose_analog_input_12 | | R | MODBUS | 491 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_1 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_1 | 70VI-0044 | FLOAT | | Band_center_voltage_1 | | R | MODBUS | 516 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_2 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_2 | 70VI-0045 | FLOAT | | Band_center_voltage_2 | | R | MODBUS | 517 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_3 | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_3 | 70VI-0046 | FLOAT | | Band_center_voltage_3 | | R | MODBUS | 518 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage | Logic.Application | TransformerAVR_GVL | | Band_center_voltage | 70VI-0047 | FLOAT | | Band_center_voltage | | R | MODBUS | 521 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_Voltage | Logic.Application | TransformerAVR_GVL | | Control_Voltage | 70VI-0048 | FLOAT | | Control_Voltage | | R | MODBUS | 522 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Total_active_power_total_P | Logic.Application | TransformerAVR_GVL | | Total_active_power_total_P | 70QII-1804 | FLOAT | | Total_active_power_total_P | | R | MODBUS | 523 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Total_reactive_power_total_Q | Logic.Application | TransformerAVR_GVL | | Total_reactive_power_total_Q | 70QII-1705 | FLOAT | | Total_reactive_power_total_Q | | R | MODBUS | 524 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Total_apparent_power_total_S | Logic.Application | TransformerAVR_GVL | | Total_apparent_power_total_S | 70QII-1606 | FLOAT | | Total_apparent_power_total_S | | R | MODBUS | 525 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L1L2 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L1L2 | 70VI-1249 | FLOAT | | Phase_to_phase_voltage_L1L2 | | R | MODBUS | 526 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L2L3 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L2L3 | 70VI-2350 | FLOAT | | Phase_to_phase_voltage_L2L3 | | R | MODBUS | 527 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_phase_voltage_L3L1 | Logic.Application | TransformerAVR_GVL | | Phase_to_phase_voltage_L3L1 | 70VI-3151 | FLOAT | | Phase_to_phase_voltage_L3L1 | | R | MODBUS | 528 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L1 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L1 | 70VI-4152 | FLOAT | | Phase_to_neutral_voltage_L1 | | R | MODBUS | 529 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L2 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L2 | 70VI-4253 | FLOAT | | Phase_to_neutral_voltage_L2 | | R | MODBUS | 530 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_to_neutral_voltage_L3 | Logic.Application | TransformerAVR_GVL | | Phase_to_neutral_voltage_L3 | 70VI-4354 | FLOAT | | Phase_to_neutral_voltage_L3 | | R | MODBUS | 531 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L1 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L1 | 70II-4124 | FLOAT | | Phase_active_power_P_L1 | | R | MODBUS | 532 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L2 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L2 | 70II-4225 | FLOAT | | Phase_active_power_P_L2 | | R | MODBUS | 533 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_active_power_P_L3 | Logic.Application | TransformerAVR_GVL | | Phase_active_power_P_L3 | 70II-4326 | FLOAT | | Phase_active_power_P_L3 | | R | MODBUS | 534 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L1 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L1 | 70II-4127 | FLOAT | | Phase_reactive_power_Q_L1 | | R | MODBUS | 535 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L2 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L2 | 70II-4228 | FLOAT | | Phase_reactive_power_Q_L2 | | R | MODBUS | 536 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_reactive_power_Q_L3 | Logic.Application | TransformerAVR_GVL | | Phase_reactive_power_Q_L3 | 70II-4329 | FLOAT | | Phase_reactive_power_Q_L3 | | R | MODBUS | 537 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L1 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L1 | 70II-4130 | FLOAT | | Phase_apparent_power_S_L1 | | R | MODBUS | 538 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L2 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L2 | 70II-4231 | FLOAT | | Phase_apparent_power_S_L2 | | R | MODBUS | 539 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Phase_apparent_power_S_L3 | Logic.Application | TransformerAVR_GVL | | Phase_apparent_power_S_L3 | 70II-4332 | FLOAT | | Phase_apparent_power_S_L3 | | R | MODBUS | 540 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minumum_voltage_value_for_dynamic_setpoint_control | Logic.Application | TransformerAVR_GVL | | Minumum_voltage_value_for_dynamic_setpoint_control | 70VI-0055 | FLOAT | | Minumum_voltage_value_for_dynamic_setpoint_control | | R | MODBUS | 541 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_voltage_value_for_dynamic_setpoint_control | Logic.Application | TransformerAVR_GVL | | Maximum_voltage_value_for_dynamic_setpoint_control | 70VI-0056 | FLOAT | | Maximum_voltage_value_for_dynamic_setpoint_control | | R | MODBUS | 542 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W | Logic.Application | TransformerAVR_GVL | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W | 70VI-0057 | FLOAT | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W | | R | MODBUS | 543 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minumum_active_power_value_for_dynamic_setpoint_control | Logic.Application | TransformerAVR_GVL | | Minumum_active_power_value_for_dynamic_setpoint_control | 70II-0033 | FLOAT | | Minumum_active_power_value_for_dynamic_setpoint_control | | R | MODBUS | 544 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_active_power_value_for_dynamic_setpoint_control | Logic.Application | TransformerAVR_GVL | | Maximum_active_power_value_for_dynamic_setpoint_control | 70II-0034 | FLOAT | | Maximum_active_power_value_for_dynamic_setpoint_control | | R | MODBUS | 545 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Target_tap_position | Logic.Application | TransformerAVR_GVL | | Target_tap_position | 70UI-0018 | FLOAT | | Target_tap_position | | R | MODBUS | 551 | INPUT REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_width_voltage_CMD | Logic.Application | TransformerAVR_GVL | | Band_width_voltage_CMD | 70VI-0058 | FLOAT | | Band_width_voltage_CMD | | W | MODBUS | 0 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_intentional_time_delay_for_regulation_of_voltage_CMD | Logic.Application | TransformerAVR_GVL | | Control_intentional_time_delay_for_regulation_of_voltage_CMD | 70VI-0059 | FLOAT | | Control_intentional_time_delay_for_regulation_of_voltage_CMD | | W | MODBUS | 1 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_resistance_component_CMD | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_resistance_component_CMD | 70VI-0060 | FLOAT | | Line_drop_voltage_due_to_line_resistance_component_CMD | | W | MODBUS | 2 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_reactance_component_CMD | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_reactance_component_CMD | 70VI-0061 | FLOAT | | Line_drop_voltage_due_to_line_reactance_component_CMD | | W | MODBUS | 3 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Control_voltage_below_which_auto_Lower_commands_blocked_CMD | Logic.Application | TransformerAVR_GVL | | Control_voltage_below_which_auto_Lower_commands_blocked_CMD | 70VI-0062 | FLOAT | | Control_voltage_below_which_auto_Lower_commands_blocked_CMD | | W | MODBUS | 4 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Limit_Load_Current_CMD | Logic.Application | TransformerAVR_GVL | | Limit_Load_Current_CMD | 70CI-0017 | FLOAT | | Limit_Load_Current_CMD | | W | MODBUS | 5 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Line_drop_voltage_due_to_line_total_impedance_CMD | Logic.Application | TransformerAVR_GVL | | Line_drop_voltage_due_to_line_total_impedance_CMD | 70VI-0063 | FLOAT | | Line_drop_voltage_due_to_line_total_impedance_CMD | | W | MODBUS | 6 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Tap_position_of_Load_Tap_Changer_where_automatic_Raise_commands_are_blocked_CMD | Logic.Application | TransformerAVR_GVL | | Tap_position_of_Load_Tap_Changer_where_automatic_Raise_comman | 70UC-0015 | FLOAT | | Tap_position_of_Load_Tap_Changer_where_automatic_Raise_commands_are_blocked_CMD | | W | MODBUS | 7 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Tap_position_of_Load_Tap_Changer_where_automatic_Lower_commands_are_blocked_CMD | Logic.Application | TransformerAVR_GVL | | Tap_position_of_Load_Tap_Changer_where_automatic_Lower_comman | 70UC-0016 | FLOAT | | Tap_position_of_Load_Tap_Changer_where_automatic_Lower_commands_are_blocked_CMD | | W | MODBUS | 8 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_1_1_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_1_1_CMD | 70VI-0064 | FLOAT | | Band_center_voltage_1_1_CMD | | W | MODBUS | 9 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_2_1_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_2_1_CMD | 70VI-0065 | FLOAT | | Band_center_voltage_2_1_CMD | | W | MODBUS | 10 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_3_1_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_3_1_CMD | 70VI-0066 | FLOAT | | Band_center_voltage_3_1_CMD | | W | MODBUS | 11 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minumum_voltage_value_for_dynamic_setpoint_control_1_CMD | Logic.Application | TransformerAVR_GVL | | Minumum_voltage_value_for_dynamic_setpoint_control_1_CMD | 70VI-0067 | FLOAT | | Minumum_voltage_value_for_dynamic_setpoint_control_1_CMD | | W | MODBUS | 14 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_voltage_value_for_dynamic_setpoint_control_1_CMD | Logic.Application | TransformerAVR_GVL | | Maximum_voltage_value_for_dynamic_setpoint_control_1_CMD | 70VI-0068 | FLOAT | | Maximum_voltage_value_for_dynamic_setpoint_control_1_CMD | | W | MODBUS | 15 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_1_CMD | Logic.Application | TransformerAVR_GVL | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W | 70VI-0069 | FLOAT | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_1_CMD | | W | MODBUS | 16 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minimum_active_power_value_for_dynamic_setpoint_control_1_CMD | Logic.Application | TransformerAVR_GVL | | Minimum_active_power_value_for_dynamic_setpoint_control_1_CMD | 70II-0035 | FLOAT | | Minimum_active_power_value_for_dynamic_setpoint_control_1_CMD | | W | MODBUS | 17 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_active_power_value_for_dynamic_setpoint_control_1_CMD | Logic.Application | TransformerAVR_GVL | | Maximum_active_power_value_for_dynamic_setpoint_control_1_CMD | 70II-0036 | FLOAT | | Maximum_active_power_value_for_dynamic_setpoint_control_1_CMD | | W | MODBUS | 18 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Desired_power_factor_CMD | Logic.Application | TransformerAVR_GVL | | Desired_power_factor_CMD | 70XI-1908 | FLOAT | | Desired_power_factor_CMD | | W | MODBUS | 184 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_1_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_1_CMD | 70VI-0070 | FLOAT | | Band_center_voltage_1_CMD | | W | MODBUS | 516 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_2_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_2_CMD | 70VI-0071 | FLOAT | | Band_center_voltage_2_CMD | | W | MODBUS | 517 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Band_center_voltage_3_CMD | Logic.Application | TransformerAVR_GVL | | Band_center_voltage_3_CMD | 70VI-0072 | FLOAT | | Band_center_voltage_3_CMD | | W | MODBUS | 518 | HOLDING REGISTER | FLOAT |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.TransformerAVR_GVL.Minumum_voltage_value_for_dynamic_setpoint_control_CMD | Logic.Application | TransformerAVR_GVL | | Minumum_voltage_value_for_dynamic_setpoint_control_CMD | 70VI-0073 | FLOAT | | Minumum_voltage_value_for_dynamic_setpoint_control_CMD | | W | MODBUS | 541 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_voltage_value_for_dynamic_setpoint_control_CMD | Logic.Application | TransformerAVR_GVL | | Maximum_voltage_value_for_dynamic_setpoint_control_CMD | 70VI-0074 | FLOAT | | Maximum_voltage_value_for_dynamic_setpoint_control_CMD | | W | MODBUS | 542 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_CMD | Logic.Application | TransformerAVR_GVL | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W | 70VI-0075 | FLOAT | | Voltage_value_for_dynamic_setpoint_control_at_active_power_of_0_W_CMD | | W | MODBUS | 543 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Minimum_active_power_value_for_dynamic_setpoint_control_CMD | Logic.Application | TransformerAVR_GVL | | Minimum_active_power_value_for_dynamic_setpoint_control_CMD | 70II-0037 | FLOAT | | Minimum_active_power_value_for_dynamic_setpoint_control_CMD | | W | MODBUS | 544 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Maximum_active_power_value_for_dynamic_setpoint_control_CMD | Logic.Application | TransformerAVR_GVL | | Maximum_active_power_value_for_dynamic_setpoint_control_CMD | 70II-0038 | FLOAT | | Maximum_active_power_value_for_dynamic_setpoint_control_CMD | | W | MODBUS | 545 | HOLDING REGISTER | FLOAT |
| Logic.Application.TransformerAVR_GVL.Target_tap_position_CMD | Logic.Application | TransformerAVR_GVL | | Target_tap_position_CMD | 70UI-0019 | FLOAT | | Target_tap_position_CMD | | W | MODBUS | 551 | HOLDING REGISTER | FLOAT |
| | | | | | | | | | | | | | | |
| Logic.Application.GIS.7UT85_Physical_channel_status_(_Station_bus_) | Logic.Application | GIS | 7UT85 | Physical channel status ( Station bus ) | 70US-0044 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Physical_channel_status_of_redundant_channel_(_Station_bus_) | Logic.Application | GIS | 7UT85 | Physical channel status of redundant channel ( Station bus ) | 70US-0045 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Physical_channel_status_(_Process_bus_) | Logic.Application | GIS | 7UT85 | Physical channel status ( Process bus ) | 70US-0046 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Physical_channel_status_of_redundant_channel_(_Process_bus_) | Logic.Application | GIS | 7UT85 | Physical channel status of redundant channel ( Process bus ) | 70US-0047 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_IED_physical_device_health | Logic.Application | GIS | 7UT85 | IED physical device health | 70UI-0020 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Time_synchronized | Logic.Application | GIS | 7UT85 | Time synchronized | 70SYN-0002 | LTMS | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_GOOSE_Sub_ _fail_alarm | Logic.Application | GIS | 7UT85 | GOOSE Sub_fail alarm | 70XA-0016 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Memory_fail_alarm | Logic.Application | GIS | 7UT85 | Memory fail alarm | 70XA-0017 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Process_bus_processor_fail_alarm | Logic.Application | GIS | 7UT85 | Process bus processor fail alarm | 70XA-0018 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Sampled_value_publish_fail_alarm | Logic.Application | GIS | 7UT85 | Sampled value publish fail alarm | 70XA-0019 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_IED_Locla/Remote_Status | Logic.Application | GIS | 7UT85 | IED Locla/Remote Status | 70REM-0003 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Process_bus_processor_fail_alarm | Logic.Application | GIS | 7UT85 | Process bus processor fail alarm | 70XA-0020 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Sampled_value_subscription_fail_alarm | Logic.Application | GIS | 7UT85 | Sampled value subscription fail alarm | 70XA-0021 | LSVS | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_7SJ85_Relay_Failure | Logic.Application | GIS | 7UT85 | 7SJ85 Relay Failure | 70XA-0022 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Level_1_87T_pick-up_General | Logic.Application | GIS | 7UT85 | Level 1 87T pick-up General | 70US-0048 | | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Level_1_87T_operation_General | Logic.Application | GIS | 7UT85 | Level 1 87T operation General | 70US-0049 | | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Level_1_87N_pick-up_General | Logic.Application | GIS | 7UT85 | Level 1 87N pick-up General | 70US-0050 | | | Status | | R | | | | |
| Logic.Application.GIS.7UT85_Level_1_87N_operation_General | Logic.Application | GIS | 7UT85 | Level 1 87N operation General | 70US-0051 | | | Status | | R | | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.GIS.7UT85_TR_1st_side_A_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 1st side A Phase currents magnitude | 70CI-4418 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_A_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 1st side A Phase currents angle | 70CA-4419 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_B_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 1st side B Phase currents magnitude | 70CI-4520 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_B_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 1st side B Phase currents angle | 70CA-4521 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_C_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 1st side C Phase currents magnitude | 70CI-4622 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_C_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 1st side C Phase currents angle | 70CA-4623 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_N_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 1st side N Phase currents magnitude | 70CI-4724 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_side_N_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 1st side N Phase currents angle | 70CA-4725 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_A_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 2nd side A Phase currents magnitude | 70CI-4426 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_A_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 2nd side A Phase currents angle | 70CA-4427 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_B_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 2nd side B Phase currents magnitude | 70CI-4528 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_B_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 2nd side B Phase currents angle | 70CA-4529 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_C_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 2nd side C Phase currents magnitude | 70CI-4630 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_C_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 2nd side C Phase currents angle | 70CA-4631 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_N_Phase_currents_magnitude | Logic.Application | GIS | 7UT85 | TR 2nd side N Phase currents magnitude | 70CI-4732 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_side_N_Phase_currents_angle | Logic.Application | GIS | 7UT85 | TR 2nd side N Phase currents angle | 70CA-4733 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Demand_Distortion_phsA | Logic.Application | GIS | 7UT85 | TR 1st current Total Demand Distortion phsA | 70CI-0034 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Demand_Distortion_phsB | Logic.Application | GIS | 7UT85 | TR 1st current Total Demand Distortion phsB | 70CI-0035 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Demand_Distortion_phsC | Logic.Application | GIS | 7UT85 | TR 1st current Total Demand Distortion phsC | 70CI-0036 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Harmonic_Distortion_phsA | Logic.Application | GIS | 7UT85 | TR 1st current Total Harmonic Distortion phsA | 70CI-0037 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Harmonic_Distortion_phsB | Logic.Application | GIS | 7UT85 | TR 1st current Total Harmonic Distortion phsB | 70CI-0038 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_1st_current_Total_Harmonic_Distortion_phsC | Logic.Application | GIS | 7UT85 | TR 1st current Total Harmonic Distortion phsC | 70CI-0039 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Demand_Distortion_phsA | Logic.Application | GIS | 7UT85 | TR 2nd current Total Demand Distortion phsA | 70CI-0040 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Demand_Distortion_phsB | Logic.Application | GIS | 7UT85 | TR 2nd current Total Demand Distortion phsB | 70CI-0041 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Demand_Distortion_phsC | Logic.Application | GIS | 7UT85 | TR 2nd current Total Demand Distortion phsC | 70CI-0042 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Harmonic_Distortion_phsA | Logic.Application | GIS | 7UT85 | TR 2nd current Total Harmonic Distortion phsA | 70CI-0043 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Harmonic_Distortion_phsB | Logic.Application | GIS | 7UT85 | TR 2nd current Total Harmonic Distortion phsB | 70CI-0044 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_TR_2nd_current_Total_Harmonic_Distortion_phsC | Logic.Application | GIS | 7UT85 | TR 2nd current Total Harmonic Distortion phsC | 70CI-0045 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_LSVS1_Smapled_Value_CT1 | Logic.Application | GIS | 7UT85 | LSVS1 Smapled Value CT1 | 70CI-3346 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_LSVS1_Smapled_Value_CT2 | Logic.Application | GIS | 7UT85 | LSVS1 Smapled Value CT2 | 70CI-3347 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_LSVS1_Smapled_Value_CT3 | Logic.Application | GIS | 7UT85 | LSVS1 Smapled Value CT3 | 70CI-3348 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7UT85_LSVS1_Smapled_Value_CT4 | Logic.Application | GIS | 7UT85 | LSVS1 Smapled Value CT4 | 70CI-3349 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Physical_channel_status_(_Station_bus_) | Logic.Application | GIS | 7SJ85 | Physical channel status ( Station bus ) | 70US-0052 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Physical_channel_status_of_redundant_channel_(_Station_bus_) | Logic.Application | GIS | 7SJ85 | Physical channel status of redundant channel ( Station bus ) | 70US-0053 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Physical_channel_status_(_Process_bus_) | Logic.Application | GIS | 7SJ85 | Physical channel status ( Process bus ) | 70US-0054 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Physical_channel_status_of_redundant_channel_(_Process_bus_) | Logic.Application | GIS | 7SJ85 | Physical channel status of redundant channel ( Process bus ) | 70US-0055 | LCCH | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IED_physical_device_health | Logic.Application | GIS | 7SJ85 | IED physical device health | 70US-0056 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Time_synchronized | Logic.Application | GIS | 7SJ85 | Time synchronized | 70SYN-0003 | LTMS | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_GOOSE_Sub._fail_alarm | Logic.Application | GIS | 7SJ85 | GOOSE Sub. fail alarm | 70XA-0023 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Memory_fail_alarm | Logic.Application | GIS | 7SJ85 | Memory fail alarm | 70XA-0024 | LPHD | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Process_bus_processor_fail_alarm | Logic.Application | GIS | 7SJ85 | Process bus processor fail alarm | 70XA-0025 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Sampled_value_sub._fail_alarm | Logic.Application | GIS | 7SJ85 | Sampled value sub. fail alarm | 70XA-0026 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IED_Local/Remote_Status | Logic.Application | GIS | 7SJ85 | IED Local/Remote Status | 70REM-0004 | LLN0 | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_QA1_status(Q0) | Logic.Application | GIS | 7SJ85 | CB QA1 status(Q0) | 70US-0057 | CSWI | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_QA1_control(Q0) | Logic.Application | GIS | 7SJ85 | CB QA1 control(Q0) | 70US-0058 | XCBR | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_CB_QA1_open_command(Q0) | Logic.Application | GIS | 7SJ85 | CB QA1 open command(Q0) | 70OPC-0003 | XCBR | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ91_status | Logic.Application | GIS | 7SJ85 | DS QZ91 status | 70US-0059 | CSWI | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ91_control | Logic.Application | GIS | 7SJ85 | DS QZ91 control | 70US-0060 | XSWI | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ92_status | Logic.Application | GIS | 7SJ85 | DS QZ92 status | 70US-0061 | CSWI | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ92_control | Logic.Application | GIS | 7SJ85 | DS QZ92 control | 70UC-0017 | XSWI | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ91_status | Logic.Application | GIS | 7SJ85 | ES QZ91 status | 70US-0062 | CSWI | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ91_control | Logic.Application | GIS | 7SJ85 | ES QZ91 control | 70UC-0018 | XSWI | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ92_status | Logic.Application | GIS | 7SJ85 | ES QZ92 status | 70US-0063 | CSWI | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ92_control | Logic.Application | GIS | 7SJ85 | ES QZ92 control | 70UC-0019 | XSWI | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_DC_Control_Voltage_Failure | Logic.Application | GIS | 7SJ85 | DC Control Voltage Failure | 70XA-0027 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_AC_Control_Voltage_Failure | Logic.Application | GIS | 7SJ85 | AC Control Voltage Failure | 70XA-0028 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_6_6kV_SWGR_CB_Open_Status | Logic.Application | GIS | 7SJ85 | 6.6kV SWGR CB Open Status | 70ZSH-0003 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_6_6kV_SWGR_ES_Open_Status | Logic.Application | GIS | 7SJ85 | 6.6kV SWGR ES Open Status | 70ZSH-0004 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_VD1_NO_VOLTAGE | Logic.Application | GIS | 7SJ85 | VD1 NO VOLTAGE | 70VI-0076 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_VD2_NO_VOLTAGE | Logic.Application | GIS | 7SJ85 | VD2 NO VOLTAGE | 70VI-0077 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_Warning_Gas_Low_Stage-1 | Logic.Application | GIS | 7SJ85 | CB Warning Gas Low Stage-1 | 70LOS-0016 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_Warning_Gas_Low_Stage-2 | Logic.Application | GIS | 7SJ85 | CB Warning Gas Low Stage-2 | 70LLS-0017 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_Spring_Motor_Overload | Logic.Application | GIS | 7SJ85 | CB Spring Motor Overload | 70UA-0007 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_Spring_Motor_Excessive_Run_Time | Logic.Application | GIS | 7SJ85 | CB Spring Motor Excessive Run Time | 70UA-0008 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_CB_Motor_Exceeded_&_Spring_Uncharged | Logic.Application | GIS | 7SJ85 | CB Motor Exceeded & Spring Uncharged | 70US-0064 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS/ES_MOTOR_MCB_TRIP | Logic.Application | GIS | 7SJ85 | DS/ES MOTOR MCB TRIP | 70XS-0037 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS_OR_ES_MANUAL_OPER_MODE | Logic.Application | GIS | 7SJ85 | DS OR ES MANUAL OPER MODE | 70HS-0012 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_HAND_CRANK_INSERTED | Logic.Application | GIS | 7SJ85 | HAND CRANK INSERTED | 70US-0065 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_7UT85_Relay_Failure | Logic.Application | GIS | 7SJ85 | 7UT85 Relay Failure | 70XA-0029 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_LCC_LOCAL_Status | Logic.Application | GIS | 7SJ85 | LCC LOCAL Status | 70LOC-0004 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_LCC_REMOTE_Status | Logic.Application | GIS | 7SJ85 | LCC REMOTE Status | 70REM-0005 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_TCS1_FAIL | Logic.Application | GIS | 7SJ85 | TCS1 FAIL | 70XA-0030 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_TCS2_FAIL | Logic.Application | GIS | 7SJ85 | TCS2 FAIL | 70XA-0031 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_MCB_Alarm-Q0 | Logic.Application | GIS | 7SJ85 | MCB Alarm - Q0 | 70XA-0032 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS/ES_QZ92_GAS_Pressure_Low_Stage-1 | Logic.Application | GIS | 7SJ85 | DS/ES QZ92 GAS Pressure Low Stage-1 | 70LOS-0017 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS/ES_QZ92_GAS_Pressure_Low_Stage-2 | Logic.Application | GIS | 7SJ85 | DS/ES QZ92 GAS Pressure Low Stage-2 | 70LLS-0018 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS/ES_QZ91_GAS_Pressure_Low_Stage-1 | Logic.Application | GIS | 7SJ85 | DS/ES QZ91 GAS Pressure Low Stage-1 | 70LOS-0018 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS/ES_QZ91_GAS_Pressure_Low_Stage-2 | Logic.Application | GIS | 7SJ85 | DS/ES QZ91 GAS Pressure Low Stage-2 | 70LLS-0019 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_LOR_RESET_COMMAND | Logic.Application | GIS | 7SJ85 | LOR RESET COMMAND | 70UC-0020 | GGIO | | Control | | W | | | | |
| Logic.Application.GIS.7SJ85_CB_QA1_open_command_by_HV_SCADA | Logic.Application | GIS | 7SJ85 | CB QA1 open command by HV SCADA | 70OPC-0004 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ92_open_command_by_HV_SCADA | Logic.Application | GIS | 7SJ85 | DS QZ92 open command by HV SCADA | 70OPC-0005 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_DS_QZ92_close_command_by_HV_SCADA | Logic.Application | GIS | 7SJ85 | DS QZ92 close command by HV SCADA | 70CLC-0003 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ92_open_command_by_HV_SCADA | Logic.Application | GIS | 7SJ85 | ES QZ92 open command by HV SCADA | 70OPC-0006 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_ES_QZ92_close_command_by_HV_SCADA | Logic.Application | GIS | 7SJ85 | ES QZ92 close command by HV SCADA | 70CLC-0004 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Physical_channel_status_(_Process_bus_) | Logic.Application | GIS | 7SJ85 | IMU Physical channel status ( Process bus ) | 70US-0066 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Physical_channel_status_of_redundant_channel_(_Process_bus_) | Logic.Application | GIS | 7SJ85 | IMU Physical channel status of redundant channel ( Process bus ) | 70US-0067 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_IED_physical_device_health | Logic.Application | GIS | 7SJ85 | IMU IED physical device health | 70UI-0021 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Current_time_source | Logic.Application | GIS | 7SJ85 | IMU Current time source | 70CI-0050 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Time_synchronized | Logic.Application | GIS | 7SJ85 | IMU Time synchronized | 70SYN-0004 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Location_daylight_saving_time | Logic.Application | GIS | 7SJ85 | IMU Location daylight saving time | 70UI-0022 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_SC_fail_alarm | Logic.Application | GIS | 7SJ85 | IMU SC fail alarm | 70XA-0033 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Internal_power_fail_alarm | Logic.Application | GIS | 7SJ85 | IMU Internal power fail alarm | 70XA-0034 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Process_bus_processor_fail_alarm | Logic.Application | GIS | 7SJ85 | IMU Process bus processor fail alarm | 70XA-0035 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_IMU_Sampled_value_publish_fail_alarm | Logic.Application | GIS | 7SJ85 | IMU Sampled value publish fail alarm | 70XA-0036 | GGIO | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_50_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 50 pick-up General | 70UI-0023 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_50_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 50 operation General | 70UI-0024 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_50N_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 50N pick-up General | 70UI-0025 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_50N_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 50N operation General | 70UI-0026 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_51_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 51 pick-up General | 70UI-5127 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_51_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 51 operation General | 70UI-5128 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_51G_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 51G pick-up General | 70UI-1529 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_51G_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 51G operation General | 70UI-1530 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_67_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 67 pick-up General | 70UI-0031 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_67_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 67 operation General | 70UI-0032 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_67N_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 67N pick-up General | 70UI-0033 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_67N_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 67N operation General | 70UI-0034 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_27_pick-up_General | Logic.Application | GIS | 7SJ85 | Level 1 27 pick-up General | 70UI-0035 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Level_1_27_operation_General | Logic.Application | GIS | 7SJ85 | Level 1 27 operation General | 70UI-0036 | | | Status | | R | | | | |
| Logic.Application.GIS.7SJ85_Total_active_power | Logic.Application | GIS | 7SJ85 | Total active power | 89QJI-1807 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Total_reactive_power | Logic.Application | GIS | 7SJ85 | Total reactive power | 70QJI-1708 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Total_apparent_power | Logic.Application | GIS | 7SJ85 | Total apparent power | 70QJI-1609 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Average_power_factor | Logic.Application | GIS | 7SJ85 | Average power factor | 70XI-1909 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Frequency | Logic.Application | GIS | 7SJ85 | Frequency | 70FRQ-0001 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_AB_Phase_to_phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | AB Phase to phase voltages magnitude | 70VI-4578 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_AB_Phase_to_phase_voltages_angle | Logic.Application | GIS | 7SJ85 | AB Phase to phase voltages angle | 70VA-4501 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_BC_Phase_to_phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | BC Phase to phase voltages magnitude | 70VI-4680 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_BC_Phase_to_phase_voltages_angle | Logic.Application | GIS | 7SJ85 | BC Phase to phase voltages angle | 70VA-4602 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_CA_Phase_to_phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | CA Phase to phase voltages magnitude | 70VI-4482 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_CA_Phase_to_phase_voltages_angle | Logic.Application | GIS | 7SJ85 | CA Phase to phase voltages angle | 70VA-4403 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | A Phase voltages magnitude | 70VI-4484 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_voltages_angle | Logic.Application | GIS | 7SJ85 | A Phase voltages angle | 70VA-4404 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | B Phase voltages magnitude | 70VI-4586 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_voltages_angle | Logic.Application | GIS | 7SJ85 | B Phase voltages angle | 70VA-4505 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | C Phase voltages magnitude | 70VI-4688 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_voltages_angle | Logic.Application | GIS | 7SJ85 | C Phase voltages angle | 70VA-4606 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_N_Phase_voltages_magnitude | Logic.Application | GIS | 7SJ85 | N Phase voltages magnitude | 70VI-4790 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_N_Phase_voltages_angle | Logic.Application | GIS | 7SJ85 | N Phase voltages angle | 70VA-4707 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_currents_magnitude | Logic.Application | GIS | 7SJ85 | A Phase currents magnitude | 70CI-4451 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_currents_angle | Logic.Application | GIS | 7SJ85 | A Phase currents angle | 70CA-4452 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_currents_magnitude | Logic.Application | GIS | 7SJ85 | B Phase currents magnitude | 70CI-4553 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_currents_angle | Logic.Application | GIS | 7SJ85 | B Phase currents angle | 70CA-4554 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_currents_magnitude | Logic.Application | GIS | 7SJ85 | C Phase currents magnitude | 70CI-4655 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_currents_angle | Logic.Application | GIS | 7SJ85 | C Phase currents angle | 70CA-4656 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_N_Phase_currents_magnitude | Logic.Application | GIS | 7SJ85 | N Phase currents magnitude | 70CI-4757 | MMXU | | Measure | | R | | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.GIS.7SJ85_N_Phase_currents_angle | Logic.Application | GIS | 7SJ85 | N Phase currents angle | 70CA-4758 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_active_power_magnitude | Logic.Application | GIS | 7SJ85 | A Phase active power magnitude | 70II-4442 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_active_power_magnitude | Logic.Application | GIS | 7SJ85 | B Phase active power magnitude | 70II-4543 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_active_power_magnitude | Logic.Application | GIS | 7SJ85 | C Phase active power magnitude | 70II-4644 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_A_Phase_reactive_power_magnitude | Logic.Application | GIS | 7SJ85 | A Phase reactive power magnitude | 70II-4445 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_B_Phase_reactive_power_magnitude | Logic.Application | GIS | 7SJ85 | B Phase reactive power magnitude | 70II-4546 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_C_Phase_reactive_power_magnitude | Logic.Application | GIS | 7SJ85 | C Phase reactive power magnitude | 70II-4647 | MMXU | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Import_active_energy | Logic.Application | GIS | 7SJ85 | Import active energy | 70UI-0037 | MMTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Export_active_energy | Logic.Application | GIS | 7SJ85 | Export active energy | 70UI-0038 | MMTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Import_reactive_energy | Logic.Application | GIS | 7SJ85 | Import reactive energy | 70UI-0039 | MMTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Export_reactive_energy | Logic.Application | GIS | 7SJ85 | Export reactive energy | 70UI-0040 | MMTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Demand_Distortion_phsA | Logic.Application | GIS | 7SJ85 | Current Total Demand Distortion phsA | 70CI-0059 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Demand_Distortion_phsB | Logic.Application | GIS | 7SJ85 | Current Total Demand Distortion phsB | 70CI-0060 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Demand_Distortion_phsC | Logic.Application | GIS | 7SJ85 | Current Total Demand Distortion phsC | 70CI-0061 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Harmonic_Distortion_phsA | Logic.Application | GIS | 7SJ85 | Current Total Harmonic Distortion phsA | 70CI-0062 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Harmonic_Distortion_phsB | Logic.Application | GIS | 7SJ85 | Current Total Harmonic Distortion phsB | 70CI-0063 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Current_Total_Harmonic_Distortion_phsC | Logic.Application | GIS | 7SJ85 | Current Total Harmonic Distortion phsC | 70CI-0064 | MHAI | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_unbalance_max_overall | Logic.Application | GIS | 7SJ85 | Voltage unbalance max overall | 70VI-0092 | QVUV | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_dip_Dur_ | Logic.Application | GIS | 7SJ85 | Voltage dip Dur. | 70VI-0093 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_dip_Vres_ | Logic.Application | GIS | 7SJ85 | Voltage dip Vres. | 70VI-0094 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_swell_Dur_ | Logic.Application | GIS | 7SJ85 | Voltage swell Dur. | 70VI-0095 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_swell_Vsw_ | Logic.Application | GIS | 7SJ85 | Voltage swell Vsw. | 70VI-0096 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_interrup._Dur_ | Logic.Application | GIS | 7SJ85 | Voltage interrup. Dur. | 70VI-0097 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_Voltage_interrup._Vres_ | Logic.Application | GIS | 7SJ85 | Voltage interrup. Vres. | 70VI-0098 | QVVR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_CT1 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value CT1 | 70CI-3365 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_CT2 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value CT2 | 70CI-3301 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_CT3 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value CT3 | 70CI-3302 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_CT4 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value CT4 | 70CI-3303 | I01ATCTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_VT1 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value VT1 | 70VI-4941 | U01BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_VT2 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value VT2 | 70VI-4942 | U01BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_VT3 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value VT3 | 70VI-4943 | U01BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS1_Smapled_Value_VT4 | Logic.Application | GIS | 7SJ85 | LSVS1 Smapled Value VT4 | 70VI-4944 | U01BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS2_Smapled_Value_VT1 | Logic.Application | GIS | 7SJ85 | LSVS2 Smapled Value VT1 | 70VI-4945 | U02BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS2_Smapled_Value_VT2 | Logic.Application | GIS | 7SJ85 | LSVS2 Smapled Value VT2 | 70VI-4946 | U02BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS2_Smapled_Value_VT3 | Logic.Application | GIS | 7SJ85 | LSVS2 Smapled Value VT3 | 70VI-4947 | U02BCVTVTR | | Measure | | R | | | | |
| Logic.Application.GIS.7SJ85_LSVS2_Smapled_Value_VT4 | Logic.Application | GIS | 7SJ85 | LSVS2 Smapled Value VT4 | 70VI-4948 | U02BCVTVTR | | Measure | | R | | | | |
| Logic.Application.WindFarm.HNA5-AFA70_ActivePower | Logic.Application | WindFarm | HNA5-AFA70 | ActivePower | 87JI-0001 | DOUBLE | MW | Active Power Production | | R | | | | |
| Logic.Application.EMCS_Internal.ProcessAlarm | Logic.Application | EMCS_Internal | | ProcessAlarm | 87UI-0001 | UINT16 | - | Enumeration to be defined | | R | | | | |
| Logic.Application.EMCS_Internal.ElectricalAlarm | Logic.Application | EMCS_Internal | | ElectricalAlarm | 87UI-0002 | UNIT16 | - | Enumeration to be defined | | R | | | | |
| Logic.Application.EMCS_Internal.AuxLoad | Logic.Application | EMCS_Internal | | AuxLoad | 70UI-0041 | Float | kW | Measure of the auxiliaries consumption | | R | | | | |
| Logic.Application.EMCS_Internal.AVR_AutoManual | Logic.Application | EMCS_Internal | | AVR_AutoManual | 70AM-9003 | Boolean | - | 0: manual, 1: automatic | | W | | | | |
| Logic.Application.EMCS_Internal.AVR_OutputVoltage | Logic.Application | EMCS_Internal | | AVR_OutputVoltage | 70VI-4949 | Float | kW | Measured at A6_TR_100AD1 | | R | | | | |
| Logic.Application.EMCS_Internal.AVR_Status | Logic.Application | EMCS_Internal | | AVR_Status | 70UI-0042 | UInt16 | | TBD, not used at the moment | | R | | | | |
| Logic.Application.EMCS_Internal.AVR_TapLower | Logic.Application | EMCS_Internal | | AVR_TapLower | 70HS-0016 | Boolean | | Command to lower the TAP | | W | | | | |
| Logic.Application.EMCS_Internal.AVR_TapPosition | Logic.Application | EMCS_Internal | | AVR_TapPosition | 70UI-0043 | Int16 | | Current tap position | | R | | | | |
| Logic.Application.EMCS_Internal.AVR_TapRaise | Logic.Application | EMCS_Internal | | AVR_TapRaise | 70HS-0017 | Boolean | | Command to rise the TAP | | R | | | | |
| Logic.Application.EMCS_Internal.AVR_VoltageDeviationPerc | Logic.Application | EMCS_Internal | | AVR_VoltageDeviationPerc | 70VC-0001 | Float | | Deviation from the set point | | W | | | | |
| Logic.Application.EMCS_Internal.AVR_VoltageSetPoint | Logic.Application | EMCS_Internal | | AVR_VoltageSetPoint | 70VC-0002 | Float | | Set point | | W | | | | |
| Logic.Application.EMCS_Internal.BESS_ActivePower | Logic.Application | EMCS_Internal | | BESS_ActivePower | 85JI-1813 | Float | kW | BESS measured active power.<br>If positive the battery is discharged<br>If negative the battery is charged | | R | | | | |
| Logic.Application.EMCS_Internal.BESS_ActivePowerSetPoint | Logic.Application | EMCS_Internal | | BESS_ActivePowerSetPoint | 85JI-1814 | Float | kW | BESS set point feedback | | R | | | | |
| Logic.Application.EMCS_Internal.BESS_ActivePowerSetPointCmd | Logic.Application | EMCS_Internal | | BESS_ActivePowerSetPointCmd | 85JC-0001 | Float | kW | BESS set point command | | W | | | | |
| Logic.Application.EMCS_Internal.BESS_FullyCharged | Logic.Application | EMCS_Internal | | BESS_FullyCharged | 85US-0005 | Boolean | - | Flag indicating that the BESS SOC reached the maximum allowed | See the parameter BESS_MAXIMUM_OPERATING_RESERVE | R | | | | |
| Logic.Application.EMCS_Internal.BESS_HasVoltage | Logic.Application | EMCS_Internal | | BESS_HasVoltage | 85US-0006 | Boolean | - | Flag indicating that the BESS is energyzed (mesured at SG_100D1.A3_BESS) | | R | | | | |
| Logic.Application.EMCS_Internal.BESS_Healthy | Logic.Application | EMCS_Internal | | BESS_Healthy | 85US-0007 | Boolean | | Flag indicating that the BESS is healty and can operate | | R | | | | |
| Logic.Application.EMCS_Internal.BESS_OperatingStatus | Logic.Application | EMCS_Internal | | BESS_OperatingStatus | 85UI-0012 | Int16 | | Current operating status | 1:"Warning",<br>2:"Error",<br>4:"Preheat State",<br>8:"Standby State",<br>16:"Precharge State",<br>32:"Ready State",<br>64:"Active State",<br>128:"Safety relais",<br>256:"Smoke detector",<br>512:"main switch on", | R | | | | |
| Logic.Application.EMCS_Internal.BESS_OperatingStatusCmd | Logic.Application | EMCS_Internal | | BESS_OperatingStatusCmd | 85UC-00014 | Int16 | | BitMask Dec<br>0: Stop; 0<br>13: Start 8192 | Command to set the operating status | W | | | | |
| Logic.Application.EMCS_Internal.BESS_ResidualEnergy | Logic.Application | EMCS_Internal | | BESS_ResidualEnergy | 85JI-0015 | Float | kWh | Calculated energy that can be provided by the BESS given its SOC | | R | | | | |
| Logic.Application.EMCS_Internal.BESS_SOC | Logic.Application | EMCS_Internal | | BESS_SOC | 85UI-0013 | Float | % | Status of Charge of the Battery | | R | | | | |
| Logic.Application.EMCS_Internal.BUS_6_6kV_HasVoltage | Logic.Application | EMCS_Internal | | BUS_6_6kV_HasVoltage | 85US-0008 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_ActivationThreshold | Logic.Application | EMCS_Internal | | Electrolyzer_ActivationThreshold | 20UI-0001 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_ActivePowerConsumption | Logic.Application | EMCS_Internal | | Electrolyzer_ActivePowerConsumption | 20JI-1602 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_ActivePowerSetPointCmd | Logic.Application | EMCS_Internal | | Electrolyzer_ActivePowerSetPointCmd | 20JC-7108 | Float | | | | W | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_OperatingStatus | Logic.Application | EMCS_Internal | | Electrolyzer_OperatingStatus | 20UI-0002 | Int16 | - | Enumeration<br>LOCAL MODE<br>0 : MISE POWER ON (POWER ON)<br>1 : MODE STOP (STOP)<br>2 : MODE IDLE (IDLE)<br>3 : MODE STAND BY<br>4 : MODE PRODUCTION<br>5 : MODE MANUEL<br>6 : MODE Stop in progress<br>7. MODE Start in progress<br>8. MODE IDLE in progress<br>9. STAND BY in progress<br>10. Standby<br>DISTANT MODE<br>11 : MISE POWER ON (POWER ON)<br>12 : MODE STOP (STOP)<br>13 : MODE IDLE (IDLE)<br>14 : MODE STANDY BY (STANDY BY)<br>15 : MODE PRODUCTION<br>16 : MODE Stop in progress<br>17. MODE Start in progress<br>18. MODE IDLE in progress<br>19. STAND BY in progress | | R | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_OperatingStatusCmd | Logic.Application | EMCS_Internal | | Electrolyzer_OperatingStatusCmd | 20UC-0001 | Int16 | - | Enum<br>1 : MODE STOP (STOP)<br>2 : MODE IDLE (IDLE)<br>3 : MODE STANDBY (STANDY BY)<br>4 : MODE PRODUCTION | | W | | | | |
| Logic.Application.EMCS_Internal.Electrolyzer_SetPointChoiseCmd | Logic.Application | EMCS_Internal | | Electrolyzer_SetPointChoiseCmd | 20UC-0002 | Int16 | | | | W | | | | |
| Logic.Application.EMCS_Internal.FuelCell_ActivePower | Logic.Application | EMCS_Internal | | FuelCell_ActivePower | 80JI-0099 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.FuelCell_ActivePowerSetPointCmd | Logic.Application | EMCS_Internal | | FuelCell_ActivePowerSetPointCmd | 80JC-0001 | Float | | | | W | | | | |
| Logic.Application.EMCS_Internal.FuelCell_ConversionEfficiency | Logic.Application | EMCS_Internal | | FuelCell_ConversionEfficiency | 80UI-0011 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.FuelCell_Efficiency | Logic.Application | EMCS_Internal | | FuelCell_Efficiency | 80UI-0012 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.FuelCell_OperatingStatus | Logic.Application | EMCS_Internal | | FuelCell_OperatingStatus | 80UI-0014 | Int16 | | Main FC Package Statemachine Index (enumeration)<br>6:Initialization(Initialize)<br>10: Sleep(Sleep)<br>14: Wakeup(StartupContainerVentilation)<br>17: Wakeup(FCwaveWakeup)<br>19: Wakeup(HydrogenHeaterStartup)<br>20: Standby(Standby)<br>30: Startup(BatteryStartup)<br>40: Startup(NanogridStartup)<br>50: Startup(LTCoolantStartup)<br>60: Startup(MicrogridStartup)<br>100:Running(Running)<br>105:Rampdown(RampDownPower)<br>110:Rampdown(MicrogridShutdown)<br>120:Rampdown(ChargeBattery)<br>130:Rampdown(ShutdownFCwaves)<br>140:Aftercool(Aftercool)<br>160:Shutdown(ShutdownNanogrid)<br>172:Shutdown(ShutdownHybrogenHeater)<br>180:Shutdown(PutFCwavesToSleep)<br>190:Shutdown(ShutdownVentilation)<br>200:Error(Error) | | R | | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.EMCS_Internal.FuelCell_OperatingStatusCmd | Logic.Application | EMCS_Internal | | FuelCell_OperatingStatusCmd | 80UC-0002 | Int16 | | BitMask Dec<br>0:Wakeup 1<br>1:Sleep 2<br>2:Start 4<br>3:Stop 8<br>4:<Spare> 16<br>5:Reset 32 | | W | | | | |
| Logic.Application.EMCS_Internal.FuelCell_ResidualEnergy | Logic.Application | EMCS_Internal | | FuelCell_ResidualEnergy | 80UI-0013 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.GridTied | Logic.Application | EMCS_Internal | | GridTied | 87US-0007 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_ActivePower | Logic.Application | EMCS_Internal | | HNA5_ActivePower | 87JI-0002 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_Fault | Logic.Application | EMCS_Internal | | HNA5_Fault | 87XA-0001 | Boolean | | HOLD 34 FDS | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_GUAR_ActivationTime | Logic.Application | EMCS_Internal | | HNA5_P_GT_GUAR.ActivationTime | 87UI-0003 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_GUAR_IsActive | Logic.Application | EMCS_Internal | | HNA5_P_GT_GUAR.IsActive | 87US-0001 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_GUAR_Inertia | Logic.Application | EMCS_Internal | | HNA5_P_GT_GUAR.Inertia | 87UI-0004 | Int16 | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_SURP_ActivationTime | Logic.Application | EMCS_Internal | | HNA5_P_GT_SURP.ActivationTime | 87UI-0005 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_SURP_IsActive | Logic.Application | EMCS_Internal | | HNA5_P_GT_SURP.IsActive | 87US-0002 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_GT_SURP_Inertia | Logic.Application | EMCS_Internal | | HNA5_P_GT_SURP.Inertia | 87UI-0006 | Int16 | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_LT_GUAR_ActivationTime | Logic.Application | EMCS_Internal | | HNA5_P_LT_GUAR.ActivationTime | 87UI-0007 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_LT_GUAR_IsActive | Logic.Application | EMCS_Internal | | HNA5_P_LT_GUAR.IsActive | 87US-0003 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA5_P_LT_GUAR_Inertia | Logic.Application | EMCS_Internal | | HNA5_P_LT_GUAR.Inertia | 87US-0004 | Int16 | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA6_QA1CB_CloseCmd | Logic.Application | EMCS_Internal | | HNA6_QA1CB_CloseCmd | 87CLC-0001 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.HNA6_QA1CB_OpenCmd | Logic.Application | EMCS_Internal | | HNA6_QA1CB_OpenCmd | 87OPC-0001 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.HNA6_QA1CB_Status | Logic.Application | EMCS_Internal | | HNA6_QA1CB_Status | 87UI-0008 | SByte | | | | R | | | | |
| Logic.Application.EMCS_Internal.HNA6_QA1CB_StatusInt | Logic.Application | EMCS_Internal | | HNA6_QA1CB_StatusInt | 87UI-0009 | SByte | | Used internally only for simulation/test purpose | | R | | | | |
| Logic.Application.EMCS_Internal.PlatformSupplyGuarantee | Logic.Application | EMCS_Internal | | PlatformSupplyGuarantee | 87US-0006 | Boolean | | Overall status of the supplu guarantee (Operator and WindFarm) | | R | | | | |
| Logic.Application.EMCS_Internal.ResidualOperationTime | Logic.Application | EMCS_Internal | | ResidualOperationTime | 87UI-0010 | Float | hours | in emergency mode tells how many seconds the BLPH can operate before going to POWER OUT MODE | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A1_ELECTROLYZER_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A1_ELECTROLYZER_CloseCmd | 20CLC-7102 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A1_ELECTROLYZER_Closed | Logic.Application | EMCS_Internal | | SG100D1_A1_ELECTROLYZER_Closed | 20ZSL-7103 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A1_ELECTROLYZER_Open | Logic.Application | EMCS_Internal | | SG100D1_A1_ELECTROLYZER_Open | 20ZSH-7102 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A1_ELECTROLYZER_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A1_ELECTROLYZER_OpenCmd | 20OPC-7102 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A2_TR_200ED1_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A2_TR_200ED1_CloseCmd | 89CLC-7202 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A2_TR_200ED1_Closed | Logic.Application | EMCS_Internal | | SG100D1_A2_TR_200ED1_Closed | 89ZSL-0003 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A2_TR_200ED1_Open | Logic.Application | EMCS_Internal | | SG100D1_A2_TR_200ED1_Open | 89ZSH-0003 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A2_TR_200ED1_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A2_TR_200ED1_OpenCmd | 89OPC-7202 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A3_BESS_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A3_BESS_CloseCmd | 85CLC-7302 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A3_BESS_Closed | Logic.Application | EMCS_Internal | | SG100D1_A3_BESS_Closed | 85ZSL-7302 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A3_BESS_Open | Logic.Application | EMCS_Internal | | SG100D1_A3_BESS_Open | 85ZSH-7302 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A3_BESS_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A3_BESS_OpenCmd | 85OPC-7302 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A4_TR_200DE1_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A4_TR_200DE1_CloseCmd | 70CLC-7402 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A4_TR_200DE1_Closed | Logic.Application | EMCS_Internal | | SG100D1_A4_TR_200DE1_Closed | 70ZSL-7402 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A4_TR_200DE1_Open | Logic.Application | EMCS_Internal | | SG100D1_A4_TR_200DE1_Open | 70ZSH-7402 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A4_TR_200DE1_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A4_TR_200DE1_OpenCmd | 70OPC-7402 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A6_TR_100AD1_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A6_TR_100AD1_CloseCmd | 70CLC-7603 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A6_TR_100AD1_Closed | Logic.Application | EMCS_Internal | | SG100D1_A6_TR_100AD1_Closed | 70ZSL-7603 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A6_TR_100AD1_Open | Logic.Application | EMCS_Internal | | SG100D1_A6_TR_100AD1_Open | 70ZSH-7603 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A6_TR_100AD1_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A6_TR_100AD1_OpenCmd | 70OPC-7603 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A6_TR_100AD1_VoltsMainBusL1_L2 | Logic.Application | EMCS_Internal | | SG100D1_A6_TR_100AD1_VoltsMainBusL1_L2 | 70VI-1208 | Float | | Voltage used as feedback for the AVR Transformer | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A7_FUELL_CELL_CloseCmd | Logic.Application | EMCS_Internal | | SG100D1_A7_FUELL_CELL_CloseCmd | 80CLC-7712 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A7_FUELL_CELL_Closed | Logic.Application | EMCS_Internal | | SG100D1_A7_FUELL_CELL_Closed | 80ZSL-7701 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A7_FUELL_CELL_Open | Logic.Application | EMCS_Internal | | SG100D1_A7_FUELL_CELL_Open | 80ZSH-7702 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG100D1_A7_FUELL_CELL_OpenCmd | Logic.Application | EMCS_Internal | | SG100D1_A7_FUELL_CELL_OpenCmd | 80OPC-7712 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG200D2_CloseCmd | Logic.Application | EMCS_Internal | | SG200D2_CloseCmd | 89CLC-0004 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SG200D2_Closed | Logic.Application | EMCS_Internal | | SG200D2_Closed | 89ZSL-0009 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG200D2_Open | Logic.Application | EMCS_Internal | | SG200D2_Open | 89ZSH-0009 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SG200D2_OpenCmd | Logic.Application | EMCS_Internal | | SG200D2_OpenCmd | 89OPC-0004 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_ActivePower | Logic.Application | EMCS_Internal | | SolarFarm_ActivePower | 89JI-0011 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_ActivePowerSetPoint | Logic.Application | EMCS_Internal | | SolarFarm_ActivePowerSetPoint | 89JI-0012 | Float | | | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_ActivePowerSetPointCmd | Logic.Application | EMCS_Internal | | SolarFarm_ActivePowerSetPointCmd | 89JC-0001 | Float | | | | W | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_CB_CloseRequest | Logic.Application | EMCS_Internal | | SolarFarm_CB_CloseRequest | 89CLC-0006 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_CB_OpenRequest | Logic.Application | EMCS_Internal | | SolarFarm_CB_OpenRequest | 89OPC-0006 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_Fault | Logic.Application | EMCS_Internal | | SolarFarm_Fault | 89XA-7106 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_Healthy | Logic.Application | EMCS_Internal | | SolarFarm_Healthy | 89UA-7107 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_Maintenance | Logic.Application | EMCS_Internal | | SolarFarm_Maintenance | 89US-0007 | Boolean | | | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_OperatingStatus | Logic.Application | EMCS_Internal | | SolarFarm_OperatingStatus | 89UI-0002 | Int16 | | 0: Shutdown,<br>1: Operating, | | R | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_ShutdownCmd | Logic.Application | EMCS_Internal | | SolarFarm_ShutdownCmd | 89HS-0001 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.SolarFarm_StartupCmd | Logic.Application | EMCS_Internal | | SolarFarm_StartupCmd | 89HS-0002 | Boolean | | | | W | | | | |
| Logic.Application.EMCS_Internal.OperatorSupplyGuarantee | Logic.Application | EMCS_Internal | | OperatorSupplyGuarantee | 87US-0005 | Boolean | - | Enumeration:<br>0: Automatic<br>1: Manual Active<br>2: Manual Inactive | Automatic: the HNA5 Supply Guaranty is applied<br>Manual Active: operator override<br>Manual Inactive: operator override | W | | | | |
| Logic.Application.EMCS_Internal.TotalActivePower | Logic.Application | EMCS_Internal | | TotalActivePower | 89QJI-0014 | Float | | | | R | | | | |
| Logic.Application.EMCS_Parameters.ColdStandBy_Mode_Delay | Logic.Application | EMCS_Parameters | | ColdStandBy_Mode_Delay | 87UI-0018 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.ELECTROLYZER_MAX_SET_POINT | Logic.Application | EMCS_Parameters | | ELECTROLYZER_MAX_SET_POINT | 87UI-0019 | Float | kW | Max set point that can be applied | | | | | | |
| Logic.Application.EMCS_Parameters.ELECTROLYZER_STOP_TIMEOUT | Logic.Application | EMCS_Parameters | | ELECTROLYZER_STOP_TIMEOUT | 87UI-0020 | Int64 | s | Max time to wait the electrolyzer after sending the stop command | | | | | | |
| Logic.Application.EMCS_Parameters.Emergency_Mode_Delay | Logic.Application | EMCS_Parameters | | Emergency_Mode_Delay | 87UI-0021 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Export_Mode_Delay | Logic.Application | EMCS_Parameters | | Export_Mode_Delay | 87UI-0022 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.FUEL_CELL_MAXIMUM_SETPOINT | Logic.Application | EMCS_Parameters | | FUEL_CELL_MAXIMUM_SETPOINT | 87UI-0023 | Float | kW | Max set point that can be applied | | | | | | |
| Logic.Application.EMCS_Parameters.HotStandBy_Mode_Delay | Logic.Application | EMCS_Parameters | | HotStandBy_Mode_Delay | 87UI-0024 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Idle_Mode_Delay | Logic.Application | EMCS_Parameters | | Idle_Mode_Delay | 87UI-0025 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Import_Able_Mode_Delay | Logic.Application | EMCS_Parameters | | Import_Able_Mode_Delay | 87UI-0026 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Import_Mode_Delay | Logic.Application | EMCS_Parameters | | Import_Mode_Delay | 87UI-0027 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Import_Not_Able_Mode_Delay | Logic.Application | EMCS_Parameters | | Import_Not_Able_Mode_Delay | 87UI-0028 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Maintenance_Mode_Delay | Logic.Application | EMCS_Parameters | | Maintenance_Mode_Delay | 87UI-0029 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.None_Mode_Delay | Logic.Application | EMCS_Parameters | | None_Mode_Delay | 87UI-0030 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Powerout_Mode_Delay | Logic.Application | EMCS_Parameters | | Powerout_Mode_Delay | 87UI-0031 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.Research_Mode_Delay | Logic.Application | EMCS_Parameters | | Research_Mode_Delay | 87UI-0032 | Int16 | s | Inertia to enter the mode | | | | | | |
| Logic.Application.EMCS_Parameters.SOLAR_FARM_MAXIMUM_SETPOINT | Logic.Application | EMCS_Parameters | | SOLAR_FARM_MAXIMUM_SETPOINT | 87UI-0033 | Float | kW | Max set point that can be applied | | | | | | |
| Logic.Application.EMCS_Parameters.WINDFARM_POWER_COMPARE_HOLD_TIME | Logic.Application | EMCS_Parameters | | WINDFARM_POWER_COMPARE_HOLD_TIME | 87UI-0034 | UInt16 | s | Default = 60 seconds. Hysteresis on wind power comparison | | | | | | |
| Logic.Application.EMCS_Parameters.WINDFARM_SUPPLY_GUARANTEE_MIN_POWER | Logic.Application | EMCS_Parameters | | WINDFARM_SUPPLY_GUARANTEE_MIN_POWER | 87UI-0035 | Float | kW | Default = 1000 | | | | | | |
| Logic.Application.EMCS_Parameters.WINDFARM_SURPLUS_MIN_POWER | Logic.Application | EMCS_Parameters | | WINDFARM_SURPLUS_MIN_POWER | 87UI-0036 | Float | kW | Default = 2000 | | | | | | |
| Logic.Application.EMCS_StatusMachine.Current_Mode | Logic.Application | EMCS_StatusMachine | | Current_Mode | 87UI-0037 | Int16 | | Enumeration<br>0:NONE<br>1:IDLE<br>2:IMPORT<br>3:IMPORT_ABLE_TO_CHARGE<br>4:IMPORT_ NOT_ABLE_ TO CHARGE<br>5:HOT_STANDBY<br>6:EXPORT<br>7:COLD_STANDBY<br>8:EMERGENCY<br>9:POWER_OUT<br>10:MAINTENANCE<br>11:RESEARCH | | | | | | |
| Logic.Application.EMCS_StatusMachine.Current_SubMode | Logic.Application | EMCS_StatusMachine | | Current_SubMode | 87UI-0038 | Int16 | | Enumeration<br>0:Idle<br>1:Init<br>2:Running<br>3:Stopping | | | | | | |
| Logic.Application.EMCS_StatusMachine.Next_Mode | Logic.Application | EMCS_StatusMachine | | Next_Mode | 87UI-0039 | Int16 | | Enumeration<br>0:NONE<br>1:IDLE<br>2:IMPORT<br>3:IMPORT_ABLE_TO_CHARGE<br>4:IMPORT_ NOT_ABLE_ TO CHARGE<br>5:HOT_STANDBY<br>6:EXPORT<br>7:COLD_STANDBY<br>8:EMERGENCY<br>9:POWER_OUT<br>10:MAINTENANCE<br>11:RESEARCH | | | | | | |
| Logic.Application.EMCS_StatusMachine.Next_SubMode | Logic.Application | EMCS_StatusMachine | | Next_SubMode | 87UI-0040 | Int16 | | Enumeration<br>0:Idle<br>1:Init<br>2:Running<br>3:Stopping | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_COLD_STANDBY_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_COLD_STANDBY_STATUS.PreconditionsActive | 87US-0008 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_COLD_STANDBY_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_COLD_STANDBY_STATUS.IsActive | 87US-0009 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_COLD_STANDBY_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_COLD_STANDBY_STATUS.ActivationTime | 87UI-0041 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_COLD_STANDBY_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_COLD_STANDBY_STATUS.ExecutorStatus | 87UI-0042 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_COLD_STANDBY_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_COLD_STANDBY_STATUS.Inertia | 87UI-0043 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EMERGENCY_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_EMERGENCY_STATUS.PreconditionsActive | 87US-0010 | Boolean | - | | | | | | | |

## EMCS Address Space (OPC-UA)

| OPC-UA Path | Prefix | Component | Sub Component | Tag Name | HMI Tag Name | Type | Unit | Comment | Note | Access R/W | Original Protocol | Original Address Part 1 | Original Address Part 2 | Original Data Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logic.Application.EMCS_StatusMachine.MODE_EMERGENCY_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_EMERGENCY_STATUS.IsActive | 87US-0011 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EMERGENCY_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_EMERGENCY_STATUS.ActivationTime | 87UI-0044 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EMERGENCY_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_EMERGENCY_STATUS.ExecutorStatus | 87UI-0045 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EMERGENCY_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_EMERGENCY_STATUS.Inertia | 87UI-0046 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EXPORT_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_EXPORT_STATUS.PreconditionsActive | 87US-0012 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EXPORT_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_EXPORT_STATUS.IsActive | 87US-0013 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EXPORT_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_EXPORT_STATUS.ActivationTime | 87UI-0047 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EXPORT_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_EXPORT_STATUS.ExecutorStatus | 87UI-0048 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_EXPORT_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_EXPORT_STATUS.Inertia | 87UI-0049 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_HOT_STANDBY_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_HOT_STANDBY_STATUS.PreconditionsActive | 87US-0014 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_HOT_STANDBY_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_HOT_STANDBY_STATUS.IsActive | 87US-0015 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_HOT_STANDBY_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_HOT_STANDBY_STATUS.ActivationTime | 87UI-0050 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_HOT_STANDBY_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_HOT_STANDBY_STATUS.ExecutorStatus | 87UI-0051 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_HOT_STANDBY_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_HOT_STANDBY_STATUS.Inertia | 87UI-0052 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IDLE_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_IDLE_STATUS.PreconditionsActive | 87US-0016 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IDLE_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_IDLE_STATUS.IsActive | 87US-0017 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IDLE_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_IDLE_STATUS.ActivationTime | 87UI-0053 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IDLE_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_IDLE_STATUS.ExecutorStatus | 87UI-0054 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IDLE_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_IDLE_STATUS.Inertia | 87UI-0055 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_ABLE_TO_CHARGE_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_ABLE_TO_CHARGE_STATUS.PreconditionsActive | 87US-0018 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_ABLE_TO_CHARGE_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_ABLE_TO_CHARGE_STATUS.IsActive | 87US-0019 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_ABLE_TO_CHARGE_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_ABLE_TO_CHARGE_STATUS.ActivationTime | 87UI-0056 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_ABLE_TO_CHARGE_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_ABLE_TO_CHARGE_STATUS.ExecutorStatus | 87UI-0057 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_ABLE_TO_CHARGE_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_ABLE_TO_CHARGE_STATUS.Inertia | 87UI-0058 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS.PreconditionsActive | 87US-0020 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS.IsActive | 87US-0021 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS.ActivationTime | 87UI-0059 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS.ExecutorStatus | 87UI-0060 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_NOT_ABLE_TO_CHARGE_STATUS.Inertia | 87UI-0061 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_STATUS.PreconditionsActive | 87US-0022 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_STATUS.IsActive | 87US-0023 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_STATUS.ActivationTime | 87UI-0062 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_STATUS.ExecutorStatus | 87UI-0063 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_IMPORT_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_IMPORT_STATUS.Inertia | 87UI-0064 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_MAINTENANCE_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_MAINTENANCE_STATUS.PreconditionsActive | 87US-0024 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_MAINTENANCE_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_MAINTENANCE_STATUS.IsActive | 87US-0025 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_MAINTENANCE_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_MAINTENANCE_STATUS.ActivationTime | 87UI-0065 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_MAINTENANCE_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_MAINTENANCE_STATUS.ExecutorStatus | 87UI-0066 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_MAINTENANCE_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_MAINTENANCE_STATUS.Inertia | 87UI-0067 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_NONE_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_NONE_STATUS.PreconditionsActive | 87US-0026 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_NONE_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_NONE_STATUS.IsActive | 87US-0027 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_NONE_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_NONE_STATUS.ActivationTime | 87UI-0068 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_NONE_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_NONE_STATUS.ExecutorStatus | 87UI-0069 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_NONE_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_NONE_STATUS.Inertia | 87UI-0070 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_POWER_OUT_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_POWER_OUT_STATUS.PreconditionsActive | 87US-0028 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_POWER_OUT_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_POWER_OUT_STATUS.IsActive | 87US-0029 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_POWER_OUT_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_POWER_OUT_STATUS.ActivationTime | 87UI-0071 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_POWER_OUT_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_POWER_OUT_STATUS.ExecutorStatus | 87UI-0072 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_POWER_OUT_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_POWER_OUT_STATUS.Inertia | 87UI-0073 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_RESEARCH_STATUS_PreconditionsActive | Logic.Application | EMCS_StatusMachine | | MODE_RESEARCH_STATUS.PreconditionsActive | 87US-0030 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_RESEARCH_STATUS_IsActive | Logic.Application | EMCS_StatusMachine | | MODE_RESEARCH_STATUS.IsActive | 87US-0031 | Boolean | - | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_RESEARCH_STATUS_ActivationTime | Logic.Application | EMCS_StatusMachine | | MODE_RESEARCH_STATUS.ActivationTime | 87UI-0074 | Float | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_RESEARCH_STATUS_ExecutorStatus | Logic.Application | EMCS_StatusMachine | | MODE_RESEARCH_STATUS.ExecutorStatus | 87UI-0075 | Int16 | | | | | | | | |
| Logic.Application.EMCS_StatusMachine.MODE_RESEARCH_STATUS_Inertia | Logic.Application | EMCS_StatusMachine | | MODE_RESEARCH_STATUS.Inertia | 87UI-0076 | Int16 | | | | | | | | |

## EMCS Address Space (MODBUS)

| Tag | Function Type | Register Address | Data Type | Unit | Description | HMI TAG | HMI COMMENT | Notes |
|---|---|---|---|---|---|---|---|---|
| PCS.EMCS.PermToStartFC | Coil | 1 | BOOL | - | Permissive to start Fuel Cell sent by PCS | 87PERM-0001 | PERM TO FUEL CELL | |
| PCS.EMCS.PermToStartEL | Coil | 2 | BOOL | - | Permissive to start Electrolyzer sent by PCS | 87PERM-0002 | PERM TO ELECTROLYZER | |
| PCS.EMCS.ProcessFullyCharged | Coil | 3 | BOOL | - | PCS indicates if the Fuel Tanks are full | 87H2TK-0001 | TANK FULL | |
| PCS.EMCS.BESSFault | Coil | 4 | BOOL | - | Sent by PCS. 1: fault; 0: OK. When 1 the BESS must be immediately stopped | 87XA-0001 | BESS FAULT | |
| PCS.EMCS.HOTSTANDBY | Coil | 5 | BOOL | - | Permissive to enter HOT STAND BY Mode sent by PCS | 87HSBY-0001 | HOT STANDBY | |
| PCS.EMCS.COLD STANDBY | Coil | 6 | BOOL | - | Permissive to enter COLD STAND BY Mode sent by PCS | 87CSBY-0001 | COLD STANDBY | |
| PCS.EMCS.EMERGENCY | Coil | 7 | BOOL | - | Permissive to enter EMERGENCY Mode sent by PCS | Rev | EMERGENCY MODE | |
| PCS.EMCS.EXPORT | Coil | 8 | BOOL | - | Permissive to enter EXPORT Mode sent by PCS | 87EXP-0001 | EXPORT MODE CMD | |
| | | | | | | | | |
| PCS.CmdToLoadShedStage1 | DiscreteInput | 1 | BOOL | - | Request sent from EMCS to PCS to activate the Load Shedding of EMERGENCY MODE | 87LDSH-001 | EMERGENCY MODE | The load shedding of the devices belonging to the first list is performed |
| PCS.CmdToLoadShedStage2 | DiscreteInput | 2 | BOOL | - | Request sent from EMCS to PCS to activate the Load Shedding of LOW BESS LEVEL | 87LDSH-002 | LOAD SHED | The load shedding of the devices belonging to the second list is performed |
| | | | | | | | | |
| PCS.EntertMode | InputRegister | 1 | UINT16 | - | EMCS Mode Enumeration<br>0:NONE<br>1:IDLE<br>2:IMPORT<br>3:IMPORT_ABLE_TO_CHARGE<br>4:IMPORT_ NOT_ABLE_ TO CHARGE<br>5:HOT_STANDBY<br>6:EXPORT<br>7:COLD_STANDBY<br>8:EMERGENCY<br>9:POWER_OUT<br>10:MAINTENANCE<br>11:RESEARCH | 87MODE-001 | EMCS MODE STATUS | Request sent by the EMCS to the PCS to enter in a specific mode. The PCS monitor the value change to capture the mode request. POWER OUT mode is a special condition. The EMCS move to the POWER OUT mode without waiting the PCS permission. |
| PCS.CurrentMode | InputRegister | 2 | UINT16 | - | EMCS Mode Enumeration<br>0:NONE<br>1:IDLE<br>2:IMPORT<br>3:IMPORT_ABLE_TO_CHARGE<br>4:IMPORT_ NOT_ABLE_ TO CHARGE<br>5:HOT_STANDBY<br>6:EXPORT<br>7:COLD_STANDBY<br>8:EMERGENCY<br>9:POWER_OUT<br>10:MAINTENANCE<br>11:RESEARCH | 87MODE-002 | EMCS MODE REQUEST | EMCS communicate through this register which is its current MODE. The PCS listen for the mode change. If the POWER OUT MODE is reached, the PCS takes the predefined actions (trip everithing) |

## EMCS Address Space (MODBUS)

| Tag | Function Type | Register Address | Data Type | Unit | Description | HMI TAG | HMI COMMENT | Notes |
|---|---|---|---|---|---|---|---|---|
| FuelCellOperatingStatus | InputRegister | 3 | UINT16 | | 6:Initialization(Initialize)<br>10: Sleep(Sleep)<br>14: Wakeup(StartupContainerVentilation)<br>17: Wakeup(FCwaveWakeup)<br>19: Wakeup(HydrogenHeaterStartup)<br>20: Standby(Standby)<br>30: Startup(BatteryStartup)<br>40: Startup(NanogridStartup)<br>50: Startup(LTCoolantStartup)<br>60: Startup(MicrogridStartup)<br>100:Running(Running)<br>105:Rampdown(RampDownPower)<br>110:Rampdown(MicrogridShutdown)<br>120:Rampdown(ChargeBattery)<br>130:Rampdown(ShutdownFCwaves)<br>140:Aftercool(Aftercool)<br>160:Shutdown(ShutdownNanogrid)<br>172:Shutdown(ShutdownHydorgenHeater)<br>180:Shutdown(PutFCwavesToSleep)<br>190:Shutdown(ShutdownVentilation)<br>200:Error(Error) | 87UI-0003 | INITIALIZE STATUS | |
| ElectrolyzerOperatingStatus | InputRegister | 4 | UINT16 | | LOCAL MODE<br>0 : MISE POWER ON (POWER ON)<br>1 : MODE STOP (STOP)<br>2 : MODE IDLE (IDLE)<br>3 : MODE STAND BY<br>4 : MODE PRODUCTION<br>5 : MODE MANUEL<br>6 : MODE Stop in progress<br>7. MODE Start in progress<br>8. MODE IDLE in progress<br>9. STAND BY in progress<br>10. Standby<br>DISTANT MODE<br>11 : MISE POWER ON (POWER ON)<br>12 : MODE STOP (STOP)<br>13 : MODE IDLE (IDLE)<br>14 : MODE STANDY BY (STANDY BY)<br>15 : MODE PRODUCTION<br>16 : MODE Stop in progress<br>17. MODE Start in progress<br>18. MODE IDLE in progress<br>19. STAND BY in progress | 87UI-0004 | | |
| PCS.EMCS.PermToEnterMode | HoldingRegister | 1 | UINT16 | - | EMCS Mode Enmeration<br>0:NONE<br>1:IDLE<br>2:IMPORT<br>3:IMPORT_ABLE_TO_CHARGE<br>4:IMPORT_ NOT_ABLE_ TO CHARGE<br>5:HOT_STANDBY<br>6:EXPORT<br>7:COLD_STANDBY<br>8:EMERGENCY<br>9:POWER_OUT<br>10:MAINTENANCE<br>11:RESEARCH | 87MODE-003 | LOCAL MODE | Permissive to enter in the mode indicated by the register value. |
| PCS.EMCS.HydrogenLevel | HoldingRegister | 2 | UINT16 | Kg | Hydrogen level in Kg. PCS communicates the level periodically to the EMCS. | 87H2LI-001 | H2 LELVEL | |
| PCS.EMCS.ESD-1D | HoldingRegister | 3 | BOOL | - | PCS inform the EMCS to go in Power Out mode | 87PWRC-001 | POWER OUT MODE REQ | |