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
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

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SH.	DESCRIPTION	REVISIONS							
		00	01	02	03	04			
1	Cover	X	X	X	X	X			
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3	Revision / Change Log	X	X	X	X	X			
4	Notes	X	X	X	X	X			
5	FRONT LOADING FOR PCS			X	X	X			
6	FRONT LOADING FOR SIS			X	X	X			
7	FRONT LOADING FOR FGS			X	X	X			
8	PCS and Safety System IO List (HW and SW)	X	X	X	X	X			
9	PCS and Safety System IO List (HW and SW)	X	X	X	X	X			
10	PCS and Safety System IO List (HW and SW)	X	X	X	X	X			
11	MAPPING LIST FOR INSTRUMENT AIR			X	X	X			
12	MAPPING LIST FOR NITROGEN GENERATION PACKAGE			X	X	X			
13	MAPPING LIST LV SWITCHGEAR (MODBUS)				X	X			
14	MAPPING LIST UPS AC PAS (MODBUS)				X	X			
15	MAPPING LIST UPS AC FGS (MODBUS)				X	X			
16	MAPPLING LIST UPS DC (MODBUS)				X	X			
17	MAPPING LIST HVAC CONTROL PANEL				X	X			
18	MAPPING LIST CI SERVER					X			
19	MAPPING LIST WATER TREATMENT PACKAGE					X			
20	MAPPING LIST EMCS					X			

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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)

HOLDS LIST

No.	Description
1	
2	Missing J.B, Field cable name and Pair details shall be updated based on revised customer cable schedule.
3	H,HH,L,LL alarm setpoints shall be updated based on customer updated Input list
4	Wiring details shall be updated based on customer details
5	Damper Signals wiring details shall be updated based on customer clarification
6	Unit shall be updated based on following revision of IODB
7	Range shall be updated based on following revision of IODB
8	
9	

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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-00004	PCS and Safety System IO List (HW and SW) DRAFT COMMENTS 30-05-2024

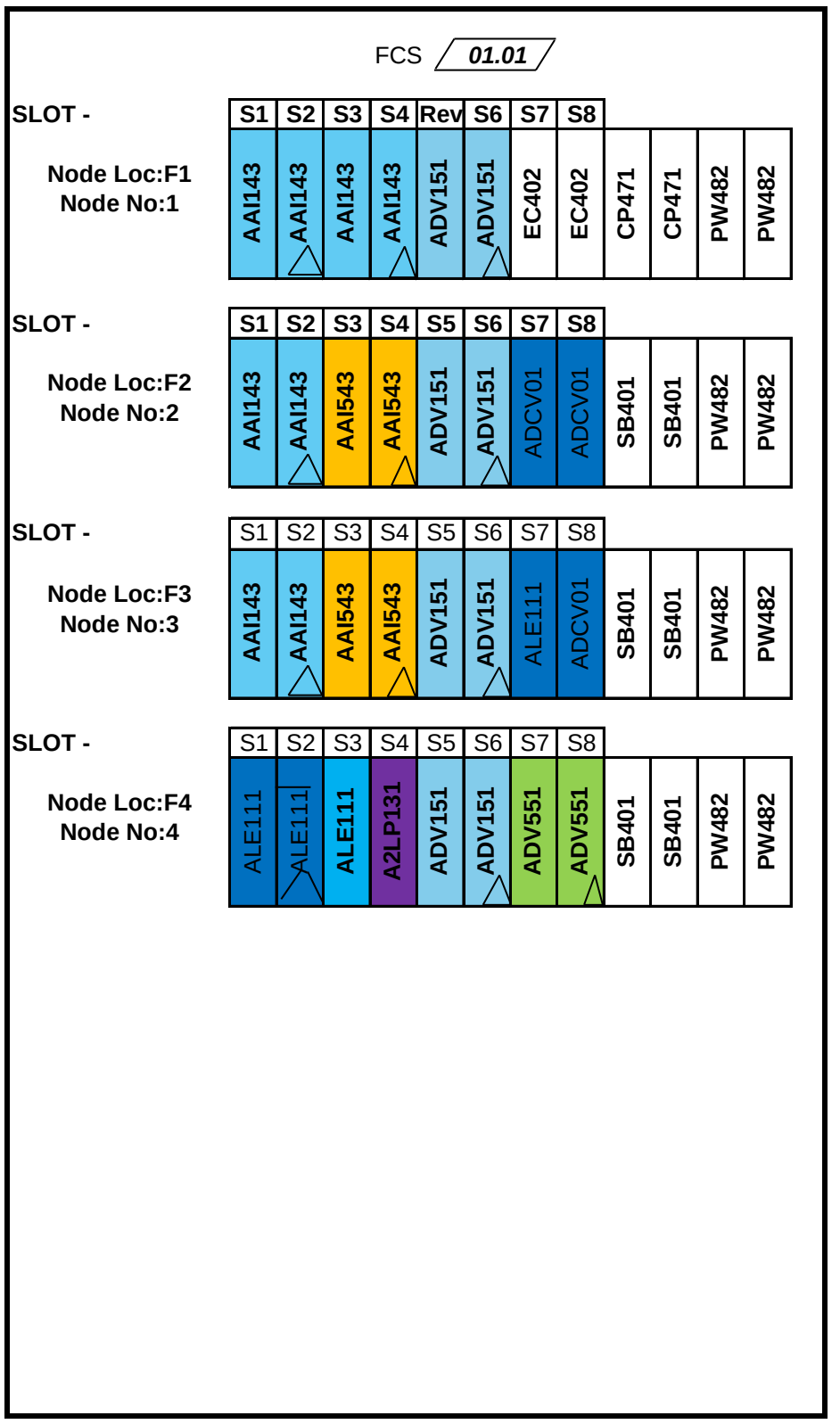
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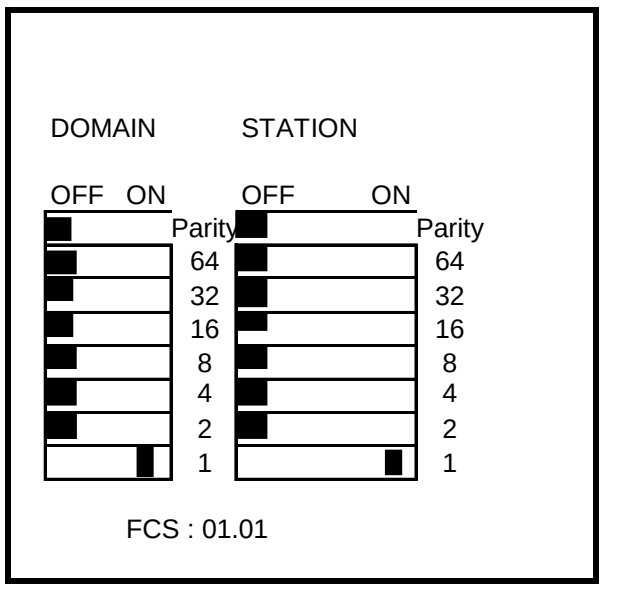
The following are the design basis and IO configuration philosophy for this project.

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.

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PCS FRONT LOADING





Color code for modules

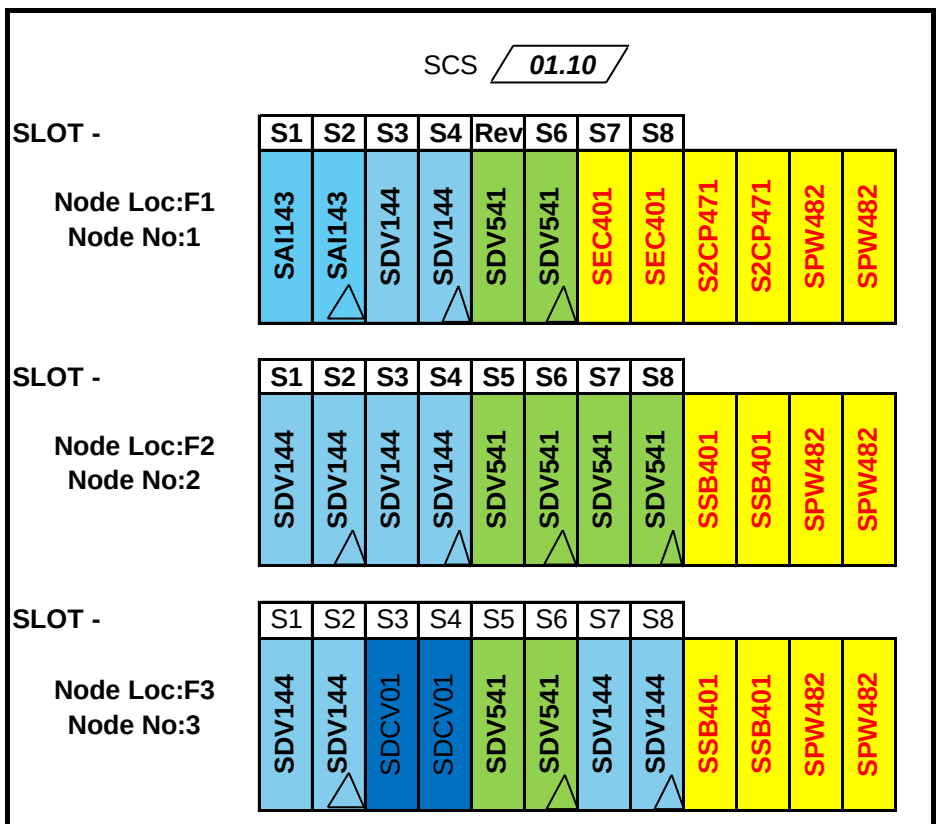
- AAI143
- AAI543
- ADV151
- ADV551
- ADCV01

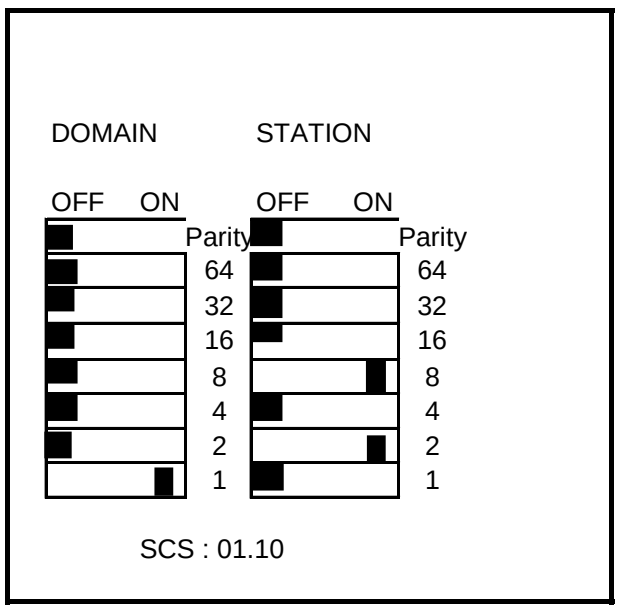
LEGENDS

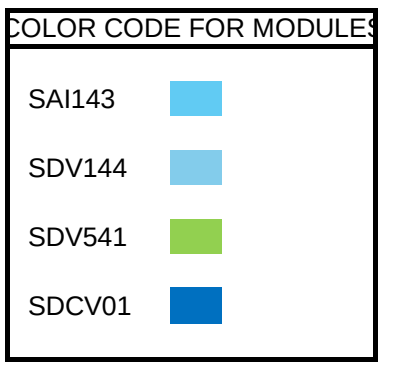
XX.XX	:	DOMAIN & STATION NUMBER
XXXX	:	COMPONENT NUMBER
FCU	:	FIELD CONTROL UNIT
NIU	:	NODE INTERFACE UNIT
△	:	REDUNDANCY
△ XX	:	REVISION
FCS	:	FIELD CONTROL STATION
I/O	:	INPUT/OUTPUT
DCS	:	DISTRIBUTED CONTROL SYSTEM
HART	:	HIGHWAY ADDRESSABLE REMOTE TRANSDUCER

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SIS FRONT LOADING





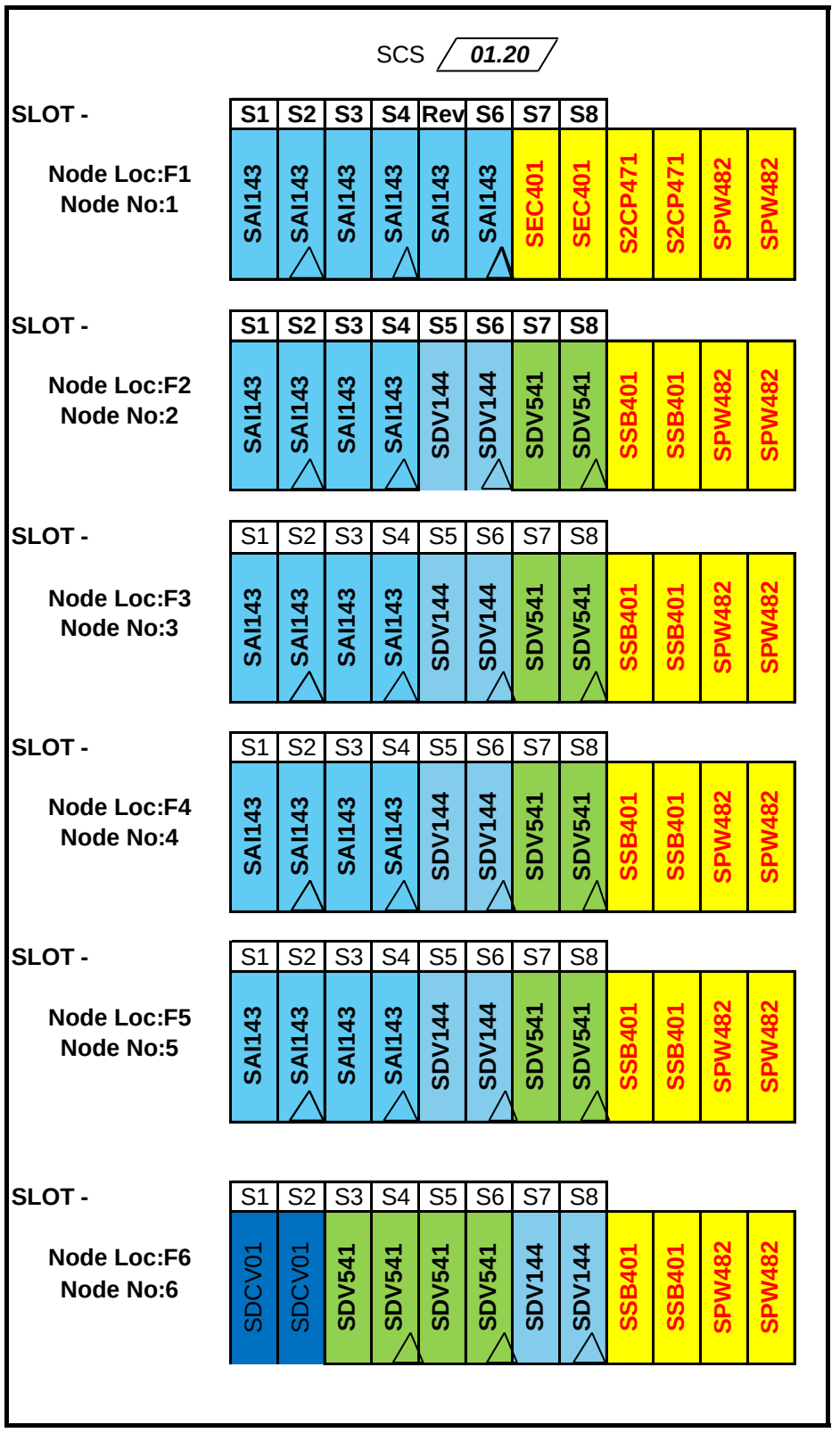


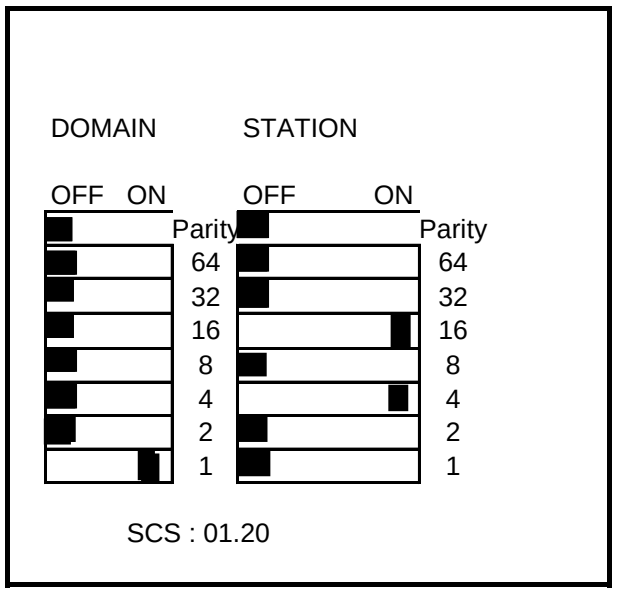
LEGENDS

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

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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

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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
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
14	WS0101010114	-	WS0101010114	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
15	WS0101010115	-	WS0101010115	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
16	WS0101010116	-	WS0101010116	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	zz	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
30	WS0101010314	-	WS0101010314	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
31	WS0110010315	-	WS0110010315	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
32	WS0101010316	-	WS0101010316	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
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	-	NIS
57	WS0101010525	-	WS0101010525	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
58	WS0101010526	-	WS0101010526	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
59	WS0101010527	-	WS0101010527	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
60	WS0101010528	-	WS0101010528	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
61	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
62	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
63	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
64	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DI	-	-	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
68	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	NIS
72	WS0101020108	-	WS0101020108	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
73	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
74	WS0101020110	-	WS0101020110	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
75	WS0101020111	-	WS0101020111	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
76	WS0101020112	-	WS0101020112	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
77	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
78	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
79	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
80	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS
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	Hold-4	NIS
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	Hold-4	NIS
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	Hold-4	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
1	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-		
2	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-		
3	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-		
4	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-		
5	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-		
6	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-		
7	-	Hold-6	Hold-7	Hold-7	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-		
8	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-		
9	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-		
10	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-		
11	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-		
12	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-		
13	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-		
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-		
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-		
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-		
17	-	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-6	6.2	62	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-		
19	-	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-6	6.2	62	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-		
21	-	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-6	6.2	62	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-		
23	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-		
24	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-		
25	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-		
26	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-		
27	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-		
28	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-		
29	-	barg	0	40	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-		
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-		
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-		
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-		
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-	CLOSED	N_CLOSED
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-	OPENED	N_OPENED
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-	CLOSED	N_CLOSED
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-	OPENED	N_OPENED
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-	CLOSED	N_CLOSED
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-	OPENED	N_OPENED
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-	CLOSED	N_CLOSED
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-	OPENED	N_OPENED
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-	CLOSED	N_CLOSED
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-	OPENED	N_OPENED
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-	CLOSED	N_CLOSED
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-	OPENED	N_OPENED
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-	ON	OFF
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-	ON	OFF
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-	ON	OFF
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12001	00-JE-12001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-	ON	OFF
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR5	-	-	ON	OFF
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12002	00-JE-12002 / B400-PCS-002	6 x 2 x 0.75 mm2	PR6	-	-	ON	OFF
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF
65	-	barg	0	10	-	3	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-		
66	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-		
67	-	barg	0	3.5	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-		
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-		
69	-	mmH2O	0	HOLD	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-		
70	-	barg	0	10	-	6	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-		
71	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11005	00-JE-11005 / B400-PCS-002	6 x 2 x 0.75 mm2	PR2	-	-		
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-		
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-		
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11005	00-JE-11005 / B400-PCS-002	6 x 2 x 0.75 mm2	PR4	-	-		
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11005	00-JE-11005 / B400-PCS-002	6 x 2 x 0.75 mm2	PR5	-	-		
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11005	00-JE-11005 / B400-PCS-002	6 x 2 x 0.75 mm2	PR6	-	-		
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-		
82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-		
83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	

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	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	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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11001	00-JE-11001_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-			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	WS0110020309	-	WS0101020309	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	09	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	09A	09B		-	-	-	-	-	02	
90	WS0101020310	-	WS0101020310	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	10	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	10A	10B		-	-	-	-	-	02	
91	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	11	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	11A	11B		-	-	-	-	-	02	
92	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	12	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	12A	12B		-	-	-	-	-	02	
93	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	13	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	13A	13B		-	-	-	-	-	02	
94	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	14	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	14A	14B		-	-	-	-	-	02	
95	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	15	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	15A	15B		-	-	-	-	-	02	
96	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	02	03	16	B400-PCS-001	TB-02-03	A1BA4D-06	AAI543	B400-PCS-002	16A	16B		-	-	-	-	-	02	
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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-	OPENED	N_OPENED	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	WS0101020527	-	WS0101020527	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-	ON	OFF	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	WS0101020528	-	WS0101020528	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-	ON	OFF	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	WS0110020529	-	WS0101020529	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-	ON	OFF	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	WS0110020530	-	WS0101020530	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12004	00-JE-12004_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-	ON	OFF	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	WS0110020531	-	WS0101020531	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF	FCS0101	02	05	31	B400-PCS-001	TB-02-05	A1BD5D-06	ADV151	B400-PCS-002	31A	31B		-	-	-	-	-	02	
128	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF	FCS0101	02	05	32	B400-PCS-001	TB-02-05	A1BD5D-06	ADV151	B400-PCS-002	32A	32B		-	-	-	-	-	02	
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	Hold-4	NIS	-	barg	10	10	-	3	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-			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	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	Hold-4	NIS	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-			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	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	Hold-4	NIS	-	barg	0	18	-	4	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-			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	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	Hold-4	NIS	-	barg	0	18	-	4	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-			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	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	Hold-4	NIS	-	barg	0	10	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR6	-	-			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	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	Hold-4	NIS	-	%	0	100	-	-	-	-	-	-	-	-	-	-	00-JE-11005	00-JE-11005 / B400-PCS-002	6 x 2 x 0.75 mm2	PR3	-	-			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	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	Hold-4	NIS	-	°C	0	50	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-			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	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	Hold-4	NIS	-	°C	0	80	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-			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	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	Hold-4	NIS	-	barg	0	18	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-			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	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	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	-	-			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	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	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	-	-			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	WS0110030112	-	WS0101030112	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-			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	WS0101030113	-	WS0101030113	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-			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	WS0101030114	-	WS0101030114	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-			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	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	03	01	15	B400-PCS-001	TB-03-01	A1BA4D-06	AAI143	B400-PCS-002	15A	15B		-	-	-	-	-	02	
144	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	03	01	16	B400-PCS-001	TB-03-01	A1BA4D-06	AAI143	B400-PCS-002	16A	16B		-	-	-	-	-	02	
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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11002	00-JE-11002 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11004	00-JE-11004/ B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-			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	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	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-			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	WS0110030309	-	WS0101030309	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	-	-			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	WS0110030310	-	WS0101030310	-	WIRED SPARE	WIRED SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-			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	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-			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	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	-	-			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	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-11003	00-JE-11003_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	-	-			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	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	03	03	14	B400-PCS-001	TB-03-03	A1BA4D-06	AAI543	B400-PCS-002	14A	14B		-	-	-	-	-	02	
159	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	03	03	15	B400-PCS-001	TB-03-03	A1BA4D-06	AAI543	B400-PCS-002	15A	15B		-	-	-	-	-	02	
160	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	AO	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			FCS0101	03	03	16	B400-PCS-001	TB-03-03	A1BA4D-06	AAI543	B400-PCS-002	16A	16B		-	-	-	-	-	02	
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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR5	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12003	00-JE-12003 / B400-PCS-002	6 x 2 x 0.75 mm2	PR6	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	-	-	OPENED	N_OPENED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR1	-	-	CLOSED	N_CLOSED	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR2	-	-	OPENED	N_OPENED	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	

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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	FIRE_ZONE	HW TYPICAL LOOP NO.
167	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
169	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
171	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
172	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
173	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
174	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
175	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
176	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
177	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
181	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
182	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
186	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
188	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
191	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
192	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
212	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
213	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
214	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
215	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
217	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
218	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
219	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
220	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
221	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
222	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
223	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
224	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
225	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
228	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
229	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
231	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
233	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
234	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
235	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
236	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
237	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
238	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
241	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
243	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
244	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
245	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
246	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
247	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
248	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
249	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

S.No	JUNCTION_BOX_NO	MULTI PAIR CABLE DETAILS	PAIR QTY	PAIR/CORE 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	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR3	CLOSED	N_CLOSED	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR4	OPENED	N_OPENED	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR5	CLOSED	N_CLOSED	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR6	OPENED	N_OPENED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR1	CLOSED	N_CLOSED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR2	OPENED	N_OPENED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR3	CLOSED	N_CLOSED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR4	OPENED	N_OPENED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	CLOSED	N_CLOSED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	OPENED	N_OPENED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	CLOSED	N_CLOSED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	OPENED	N_OPENED	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR7	ON	OFF	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR8	ON	OFF	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR9	ON	OFF	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR10	ON	OFF	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR11	ON	OFF	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	00-JE-12005	00-JE-12005/ B400-PCS-002	12 x 2 x 0.75 mm2	PR12	ON	OFF	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	CLOSED	N_CLOSED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	OPENED	N_OPENED	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	ON	OFF	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	00-JE-12006	00-JE-12006_1 / B400-PCS-002	12 x 2 x 0.75 mm2	PR12	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR5	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR6	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR7	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR8	ON	OFF	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	00-JE-BX00	C-B100-TDC-001 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B100-TDC-002 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B100-TIR-001 / B-400-PCS-002	2 x 2 x 0.75 mm2	PR1	OPEN	CLOSE	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	00-JE-BX00	C-B200-TDC-001 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B200-TDC-002 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B200-TIR-001 / B-400-PCS-002	2 x 2 x 0.75 mm2	PR1	OPEN	CLOSE	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	00-JE-BX00	C-B300-TDC-001 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B300-TDC-002 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B300-TIR-001 / B-400-PCS-002	2 x 2 x 0.75 mm2	PR1	ON	OFF	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	00-JE-BX00	C-B400-TDC-001 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B400-TDC-002 / B-400-PCS-002	1 x 2 x 0.75 mm2	-	OPEN	CLOSE	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	00-JE-BX00	C-B400-TIR-001 / B-400-PCS-002	1 x 2 x 0.75 mm2	PR1	OPEN	CLOSE	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR9	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR10	ON	OFF	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	00-JE-12006	00-JE-12006_2 / B400-PCS-002	12 x 2 x 0.75 mm2	PR11	ON	OFF	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	DIRECT	-	-	-	NORMAL	ALARM	FCS0101	04	05	16	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	16A	16B				-	-	-	02	
209	DIRECT	-	-	-	NORMAL	ALARM	FCS0101	04	05	17	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	17A	17B				-	-	-	02	
210	DIRECT	-	-	-	NORMAL	ALARM	FCS0101	04	05	18	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	18A	18B				-	-	-	02	
211	DIRECT	-	-	-	NORMAL	ALARM	FCS0101	04	05	19	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	19A	19B				-	-	-	02	
212	DIRECT	-	-	-	NORMAL	ALARM	FCS0101	04	05	20	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	20A	20B				-	-	-	02	
213	X_FAULT	X_FAULT / B400-PCS-002	6 x 2 x 0.75 mm2	PR1	NORMAL	ALARM	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	X_FAULT	X_FAULT / B400-PCS-002	6 x 2 x 0.75 mm2	PR2	NORMAL	ALARM	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	X_FAULT	X_FAULT / B400-PCS-002	6 x 2 x 0.75 mm2	PR3	NORMAL	ALARM	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	X_FAULT	X_FAULT / B400-PCS-002	6 x 2 x 0.75 mm2	PR4	NORMAL	ALARM	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	X_FAULT	X_FAULT / B400-PCS-002	6 x 2 x 0.75 mm2	PR5	NORMAL	ALARM	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	-	-	-	-	ON	OFF	FCS0101	04	05	26	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	26A	26B		-	-	-	-	-	02	
219	-	-	-	-	ON	OFF	FCS0101	04	05	27	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	27A	27B		-	-	-	-	-	02	
220	-	-	-	-	ON	OFF	FCS0101	04	05	28	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	28A	28B		-	-	-	-	-	02	
221	-	-	-	-	ON	OFF	FCS0101	04	05	29	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	29A	29B		-	-	-	-	-	02	
222	-	-	-	-	ON	OFF	FCS0101	04	05	30	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	30A	30B		-	-	-	-	-	02	
223	-	-	-	-	ON	OFF	FCS0101	04	05	31	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	31A	31B		-	-	-	-	-	02	
224	-	-	-	-	ON	OFF	FCS0101	04	05	32	B400-PCS-001	TB-04-05	A1BD5D-06	ADV151	B400-PCS-002	32A	32B		-	-	-	-	-	02	
225	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR1	OPEN	CLOSE	FCS0101	04	07	01	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	01A	01B	TB-00-JE-13001	1	2	-	-	-	02	
226	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR2	OPEN	CLOSE	FCS0101	04	07	02	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	02A	02B	TB-00-JE-13001	3	4	-	-	-	02	
227	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR3	OPEN	CLOSE	FCS0101	04	07	03	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	03A	03B	TB-00-JE-13001	5	6	-	-	-	02	
228	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR4	OPEN	CLOSE	FCS0101	04	07	04	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	04A	04B	TB-00-JE-13001	7	8	-	-	-	02	
229	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR5	OPEN	CLOSE	FCS0101	04	07	05	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	05A	05B	TB-00-JE-13001	9	10	-	-	-	02	
230	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR6	OPEN	CLOSE	FCS0101	04	07	06	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	06A	06B	TB-00-JE-13001	11	12	-	-	-	02	
231	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR1	OPEN	CLOSE	FCS0101	04	07	07	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	07A	07B	TB-00-JE-13002	1	2	-	-	-	02	
232	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR2	OPEN	CLOSE	FCS0101	04	07	08	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	08A	08B	TB-00-JE-13002	3	4	-	-	-	02	
233	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR3	OPEN	CLOSE	FCS0101	04	07	09	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	09A	09B	TB-00-JE-13002	5	6	-	-	-	02	
234	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR4	OPEN	CLOSE	FCS0101	04	07	10	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	10A	10B	TB-00-JE-13002	7	8	-	-	-	02	
235	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR5	OPEN	CLOSE	FCS0101	04	07	11	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	11A	11B	TB-00-JE-13002	9	10	-	-	-	02	
236	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR6	OPEN	CLOSE	FCS0101	04	07	12	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	12A	12B	TB-00-JE-13002	11	12	-	-	-	02	
237	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR7	OPEN	CLOSE	FCS0101	04	07	13	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	13A	13B	TB-00-JE-13002	13	14	-	-	-	02	
238	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	1BK-2BK	OPEN	CLOSE	FCS0101	04	07	14	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	14A	14B	TB-00-JE-13003	1	2	-	-	-	02	
239	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	3BK-3BK	OPEN	CLOSE	FCS0101	04	07	15	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	15A	15B	TB-00-JE-13003	3	4	-	-	-	02	
240	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	5BK-6BK	OPEN	CLOSE	FCS0101	04	07	16	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	16A	16B	TB-00-JE-13003	5	6	-	-	-	02	
241	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	7BK-8BK	OPEN	CLOSE	FCS0101	04	07	17	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	17A	17B	TB-00-JE-13003	7	8	-	-	-	02	
242	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR7	OPEN	CLOSE	FCS0101	04	07	18	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	18A	18B	TB-00-JE-13001	13	14	-	-	-	02	
243	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR9	ON	OFF	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	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR10	ON	OFF	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	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR11	ON	OFF	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	00-JE-13001	00-JE-13001 / B400-PCS-002	24 x 2.5 mm2	PR12	ON	OFF	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	-	-	-	-	ON	OFF	FCS0101	04	07	23	B400-PCS-001	TB-04-07	A1BD5D-06	ADV551	B400-PCS-002	23A	23B	-	-	-	-	-	-	02	
248	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR8	ON	OFF	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	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR9	ON	OFF	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	

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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
250	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
251	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
252	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
253	50-XY-005	50-X-005	50XY-005	Solenoid Valve		50-XY-005		-	-	-	Field	-	PCS	DO
254	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
255	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
256	SPARE	-	SPARE	-	SPARE	SPARE		-	-	-	-	-	PCS	DO
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
259	-	-	-	-	-	- -		-	-	-	-	-	-	-
260	-	87-XA-062	87-XA-062	NET Panel Power supply & Diodes failur	NET Panel Power supply & Diodes failure	NET PNL PS D	IODE FAIL	-	-	-	-	-	PCS	SW
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
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
265	-	-	-	-	-	- -		-	-	-	-	-	-	-
266	-	87-XA-073	87-XA-073	SERVER Panel Cumulative Breaker Faul	SERVER Panel Cumulative Breaker Fault	SVR PNL CUML	BRK FLT	-	-	-	-	-	PCS	SW
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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
250	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR10	-	-	ON	OFF
251	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR11	-	-	ON	OFF
252	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-13002	00-JE-13002 / B400-PCS-002	24 x 2.5 mm2	PR12	-	-	ON	OFF
253	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	9BK-10BK	-	-	OPEN	CLOSE
254	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-13003	00-JE-13003 / B400-PCS-002	12 x 2.5 mm2	11BK-12BK	-	-	ON	OFF
255	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF
256	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ON	OFF
257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
258	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
260	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
262	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
264	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
266	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
268	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
269	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
270	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
271	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
272	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
273	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
274	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
275	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
276	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
277	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
278	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
279	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
280	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
281	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
282	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
283	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
284	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
285	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
286	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
287	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	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

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)

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REV: 04

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	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	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR1	-	-	-	-	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR2	-	-	-	-	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR3	-	-	-	-	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR4	-	-	-	-	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR5	-	-	-	-	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	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	-	barg	0	40	Hold-3	Hold-3	Hold-3	38	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR6	-	-	-	-	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	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	-	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	-	-	-	-	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	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	-	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	-	-	-	-	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	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	-	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	-	-	-	-	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	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	-	barg	0	11	4				-	-	-	-	-	-	-	C-63-PT-004/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	WS0110010111	-	WS0110010111	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	AI	4-20 mA	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-21002 / B400-SIS-001	6 x 2 x 0.75 mm2	PR5	-	-	-	-	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	WS0110010112	-	WS0110010112	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	AI	4-20 mA	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-21002 / B400-SIS-001	6 x 2 x 0.75 mm2	PR6	-	-	-	-	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	WS0110010113	-	WS0110010113	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	AI	4-20 mA	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR7	-	-	-	-	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	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	-	mmH2O	0	560	-	-	-	-	-	-	-	-	-	-	00-JE-21002	00-JE-21002 / B400-SIS-001	6 x 2 x 0.75 mm2	PR3	-	-	-	-	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	WS0110010115	-	011015B400-SIS-001TB-01	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	AI	4-20 mA	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR8	-	-	-	-	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	WS0110010116	-	011016B400-SIS-001TB-01	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	AI	4-20 mA	Hold-4	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-21001	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	PR9	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR1	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR2	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR3	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR4	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR5	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR6	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR7	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR8	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR9	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR10	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR1	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR2	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR3	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Internal wiring			-	-	-	-	SCS0110	01	03	14	B400-SIS-001	TB-01-03	SBD4D-06	SDV144	B400-SIS-001	14A	14B				-	-	-	02	SIS_DI01	
31	WS0110010315	-	WS0110010315	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR11	-	-	-	-	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	WS0110010316	-	WS0110010316	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	PR12	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SG-200N1-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB-200F3A/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB-200F4A/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-20-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	3BK, 4BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	5BK, 6BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	7BK, 8BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	9BK, 10BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23001	00-JE-23001/B400-SIS-001	12x2.5 mm2	11BK, 12BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	5BK, 6BK	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	1BK, 2BK	-	-	-	-	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	WS0110010513	-	WS0110010513	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	3BK, 4BK	-	-	-	-	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	WS0110010514	-	WS0110010514	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	11BK, 12BK	-	-	-	-	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	WS0110010515	-	SPARE	-	-	SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	01	05	15	B400-SIS-001	TB-01-05	SBD4D-06	SDV541	B400-SIS-001	15A	15B	-	-	-	-	-	-	02		
48	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	01	05	16	B400-SIS-001	TB-01-05	SBD4D-06	SDV541	B400-SIS-001	16A	16B	-	-	-	-	-	-	02		
49	950-MOB-0110	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR4	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR5	-	-	-	-	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	950-ESDD-0110	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR6	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR7	-	-	-	-	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	950-MOB-0410	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR8	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR9	-	-	-	-	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	950-ESDD-0410	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR10	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR1	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR2	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR3	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR4	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR5	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR6	-	-	-	-	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	WS0110020114	-	WS0110020114	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR10	-	-	-	-	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	WS0110020115	-	WS0110020115	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR11	-	-	-	-	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	WS0110020116	-	WS0110020116	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR12	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR7	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR8	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	PR9	-	-	-	-	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	950-MOB-0310	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR1	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR2	-	-	-	-	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	950-ESDD-0310	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	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR3	-	-	-	-	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	

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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	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	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	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR4	-	-	-	-	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	50-MOB-0610	950-MO-06101	950MOB-06101	-	Push button DPDT contact	FZ-06 Man over board (MOB)	FZ-06 MOB		-	-	L	Field	SIS	DI	FVC-24Vdc	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR5	-	-	-	-	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	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR6	-	-	-	-	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	50-ESDD-0610	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR7	-	-	-	-	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	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR8	-	-	-	-	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	50-MOB-0710	950-MO-07101	950MOB-07101	-	Push button DPDT contact	FZ-07 Man over board (MOB)	FZ-07 MOB		-	-	L	Field	SIS	DI	FVC-24Vdc	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR9	-	-	-	-	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	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR10	-	-	-	-	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	50-ESDD-0710	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	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR11	-	-	-	-	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	WS0110020315	-	WS0110020315	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22002	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	PR12	-	-	-	-	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	WS0110020316	-	WS0110020316	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-22001	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	PR11	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SG-200N1-002/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB-200F3B/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB-200F4B/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	7BK, 8BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-50-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	05	06	B400-SIS-001	TB-02-05	SBD4D-06	SDV541	B400-SIS-001	06A	06B	-	-	-	-	-	-	02		
87	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	05	07	B400-SIS-001	TB-02-05	SBD4D-06	SDV541	B400-SIS-001	07A	07B	-	-	-	-	-	-	02		
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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-63-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00-JE-23002	00-JE-23002/B400-SIS-001	12x2.5 mm2	9BK, 10BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-64-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XS-002/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	WS0110020513	-	WS0110020513	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DO	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	WS0110020514	-	WS0110020514	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DO	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	WS0110020515	-	SPARE	-	-	SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	05	15	B400-SIS-001	TB-02-05	SBD4D-06	SDV541	B400-SIS-001	15A	15B	-	-	-	-	-	-	02		
96	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	05	16	B400-SIS-001	TB-02-05	SBD4D-06	SDV541	B400-SIS-001	16A	16B	-	-	-	-	-	-	02		
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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XS-003/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XS-004/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	03	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	03A	03B	-	-	-	-	-	-	02		
100	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	04	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	04A	04B	-	-	-	-	-	-	02		
101	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	05	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	05A	05B	-	-	-	-	-	-	02		
102	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	06	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	06A	06B	-	-	-	-	-	-	02		
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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-80-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CP-100E1/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SG-100D1-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SG-100D1-002/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SG-100D1-003/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	1BK, 2BK	-	-	-	-	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	WS0110020713	-	SPARE	-	-	SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	13	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	13A	13B	-	-	-	-	-	-	02		
110	WS0110020714	-	SPARE	-	-	SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	14	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	14A	14B	-	-	-	-	-	-	02		
111	WS0110020715	-	SPARE	-	-	SPARE	WIRED SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	15	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	15A	15B	-	-	-	-	-	-	02		
112	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	02	07	16	B400-SIS-001	TB-02-07	SBD4D-06	SDV541	B400-SIS-001	16A	16B	-	-	-	-	-	-	02		
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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P320PLC/B400-SIS-001	2x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-20-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-80-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-50-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-63-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-64-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1					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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XA-001/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XA-002/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XA-003/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-77-XA-004/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-NC-200F2/B400-SIS-001	1x2x0.75 mm2	PR1	-	-	-	-	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	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P320PLC/B400-SIS-001	2x2x0.75 mm2	PR2					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	WS0110030113	-	WS0110030113	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	WS0110030114	-	WS0110030114	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	WS0110030115	-	WS0110030115	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	WS0110030116	-	WS0110030116	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	SIS	DI	FVC-24Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	3BK, 4BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	5BK, 6BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	7BK, 8BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	9BK, 10BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB-200F1/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F1/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F3/B400-SIS-001	12x2.5 mm2	11BK, 12BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UP-200F4/B400-SIS-001	2x2.5 mm2	1BK, 2BK	-	-	-	-	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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-85-XS-001/B400-SIS-001	2x2.5 mm2	1BK, 2BK					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	79-XS-010A	79-XS-010A	79XS-010A	-	Command signal	POWER CUT-OUT FW003 AND FW004			-	-	NET	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	03	05	10	B400-SIS-001	TB-03-05	SBD4D-06	SDV541	B400-SIS-001	10A	10B	TB-XS-000	47	48	41+	-	-	02	SIS_DO2	
139	79-XS-010B	79-XS-010B	79XS-010B		Command signal	POWER CUT-OUT SWITCHES			-	-	NET	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	03	05	11	B400-SIS-001	TB-03-05	SBD4D-06	SDV541	B400-SIS-001	11A	11B	TB-XS-000	49	50	42+	-	-	02	SIS_DO2	
140	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SCS0110	03	05	12	B400-SIS-001	TB-03-05	SBD4D-06	SDV541	B400-SIS-001	12A	12B	-	-	-	-	-	-	02		

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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)

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REV: 04

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
141	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc
142	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc
143	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc
144	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	SIS	DO	24 Vdc
145	79-XA-051	79-XA-051	-	-	Status signal	SIS Panel Ventilation Fan Fault	SIS VENT.	FAN FLT	-	-	BLD	Building	SIS	DI	FVC-24Vdc
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
147	79-XA-053	79-XA-053	-	-	Status signal	SIS Panel Cumulative Breaker Fault	SIS CUM. BRK	FLT	-	-	BLD	Building	SIS	DI	FVC-24Vdc
148	79-XA-054	79-XA-054	-	-	Status signal	SIS Panel High Temperature Alarm	SIS HI TEMP.	ALM	-	-	BLD	Building	SIS	DI	FVC-24Vdc
149	79-XA-055	79-XA-055	-	-	Status signal	SIS Digital boards Fault	SIS DI BRD	FLT	-	-	BLD	Building	SIS	DI	FVC-24Vdc
150	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
151	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
152	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
153	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
154	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
155	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
156	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
157	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
158	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
159	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
160	SPARE	-	SPARE		-	SPARE	SPARE		-	-	-	-	SIS	DI	-
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	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Internal wiring	-	-	-	-	-	-
146	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Internal wiring	-	-	-	-	-	-
147	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Internal wiring	-	-	-	-	-	-
148	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Internal wiring	-	-	-	-	-	-
149	-	NIS	-	-	-	-											-	Internal wiring	-	-				
150	-	NIS	-	-	-	-											-	-	-	-				
151	-	NIS	-	-	-	-											-	-	-	-				
152	-	NIS	-	-	-	-											-	-	-	-				
153	-	NIS	-	-	-	-											-	-	-	-				
154	-	NIS	-	-	-	-											-	-	-	-				
155	-	NIS	-	-	-	-											-	-	-	-				
156	-	NIS	-	-	-	-											-	-	-	-				
157	-	NIS	-	-	-	-											-	-	-	-				
158	-	NIS	-	-	-	-											-	-	-	-				
159	-	NIS	-	-	-	-											-	-	-	-				
160	-	NIS	-	-	-	-											-	-	-	-				
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
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
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
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
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
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
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
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
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
9	WS0120010109	-	WS0120010109	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
10	WS0120010110	-	WS0120010110	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
11	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
12	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
13	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
14	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
15	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
16	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
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
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
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
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
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
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
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
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
25	WS0120010309	-	WS0120010309	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
26	WS0120010310	-	WS0120010310	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
27	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
28	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
29	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
30	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
31	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
32	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
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
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
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
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
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
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
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
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
41	WS0120010509	-	WS0120010509	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
42	WS0120010510	-	WS0120010510	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	IS
43	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
44	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
45	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
46	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
47	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
48	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	IS
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
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
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
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
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
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
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
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
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
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
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
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
61	WS0120020113	-	WS0120020113	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS
62	WS0120020114	-	WS0120020114	-	Electrochem. O2 gas detector	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS
63	WS0120020115	-	WS0120020115	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS
64	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	AI	-	2-WIRE	NIS
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
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
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
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
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
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

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
1	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	16A	-	C-950-SDZ-04201 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
2	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	15A	-	C-950-SDZ-04204 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
3	-	---	---	---	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	-	-	-	-
4	-	---	---	---	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	-	-	-	-
5	-	---	---	---	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	-	-	-	-
6	-	---	---	---	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	-	-	-	-
7	-	---	---	---	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	-	-	-	-
8	-	---	---	---	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	-	-	-	-
9	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	16B	-	C-950-SDZ-04202 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
18	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	15B	-	C-950-SDZ-04205 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
19	-	---	---	---	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	-	-	-	-
20	-	---	---	---	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	-	-	-	-
21	-	---	---	---	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	-	-	-	-
22	-	---	---	---	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	-	-	-	-
23	-	---	---	---	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	-	-	-	-
24	-	---	---	---	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	-	-	-	-
25	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	16C	-	C-950-SDZ-04203 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
34	-	---	---	---	Hold-3	Hold-3	Hold-3	Hold-3	-	-	-	-	2oo3	15C	-	C-950-SDZ-04206 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
35	-	---	---	---	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	-	-	-	-
36	-	---	---	---	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	-	-	-	-
37	-	---	---	---	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	-	-	-	-
38	-	---	---	---	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	-	-	-	-
39	-	---	---	---	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	-	-	-	-
40	-	---	---	---	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	-	-	-	-
41	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	---	---	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	% 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	-	-	-	-
50	-	% 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	-	-	-	-
51	-	% 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	-	-	-	-
52	-	---	---	---	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	-	-	-	-
53	-	---	---	---	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	-	-	-	-
54	-	---	---	---	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	-	-	-	-
55	-	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	-	-	-	-
56	-	% 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	-	-	-	-
57	-	% 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	-	-	-	-
58	-	% 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	-	-	-	-
59	-	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	-	-	-	-
60	-	---	---	---	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	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01102	950-JE-01102 / B400-FGS-002	6 x 3 x 2.5 mm2	TR4	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03101	950-JE-03101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR8	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03101	950-JE-03101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR9	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	% 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	-	-	-	-
66	-	% 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	-	-	-	-
67	-	% 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	-	-	-	-
68	-	---	---	---	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	-	-	-	-
69	-	---	---	---	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	-	-	-	-
70	-	---	---	---	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	-	-	-	-

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
1	SCS0120	01	01	01	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	01A	01B	TB-B400-FGS-002-2	01	02	-	Hic2025	BR01	02	FGS_AI02	-
2	SCS0120	01	01	02	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	02A	02B	TB-B400-FGS-002-2	07	08	-	Hic2025	BR02	02	FGS_AI02	-
3	SCS0120	01	01	03	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	03A	03B	TB-950-JE-04208	01	02	-	Hic2025	BR03	02	FGS_AI02	-
4	SCS0120	01	01	04	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	04A	04B	TB-950-JE-04208	07	08	-	Hic2025	BR04	02	FGS_AI02	-
5	SCS0120	01	01	05	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	05A	05B	TB-950-JE-04204	01	02	-	Hic2025	BR05	02	FGS_AI02	-
6	SCS0120	01	01	06	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	06A	06B	TB-950-JE-04204	07	08	-	Hic2025	BR06	02	FGS_AI02	-
7	SCS0120	01	01	07	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	07A	07B	TB-950-JE-06204	01	02	-	Hic2025	BR07	02	FGS_AI02	-
8	SCS0120	01	01	08	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	08A	08B	TB-950-JE-06204	07	08	-	Hic2025	BR08	02	FGS_AI02	-
9	SCS0120	01	01	09	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	09A	09B	TB-B400-FGS-002-2	13	14	-	Hic2025	BR09	02	FGS_AI02	-
10	SCS0120	01	01	10	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	10A	10B	TB-B400-FGS-002-2	15	16	-	Hic2025	BR10	02	FGS_AI02	-
11	SCS0120	01	01	11	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	11A	11B	-	-	-	-	-	-	02		-
12	SCS0120	01	01	12	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	12A	12B	-	-	-	-	-	-	02		-
13	SCS0120	01	01	13	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	13A	13B	-	-	-	-	-	-	02		-
14	SCS0120	01	01	14	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	14A	14B	-	-	-	-	-	-	02		-
15	SCS0120	01	01	15	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	15A	15B	-	-	-	-	-	-	02		-
16	SCS0120	01	01	16	B400-FGS-001	TB-01-01	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	16A	16B	-	-	-	-	-	-	02		-
17	SCS0120	01	03	01	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	01A	01B	TB-B400-FGS-002-2	03	04	-	Hic2025	BR11	02	FGS_AI02	-
18	SCS0120	01	03	02	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	02A	02B	TB-B400-FGS-002-2	09	10	-	Hic2025	BR12	02	FGS_AI02	-
19	SCS0120	01	03	03	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	03A	03B	TB-950-JE-04208	03	04	-	Hic2025	BR13	02	FGS_AI02	-
20	SCS0120	01	03	04	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	04A	04B	TB-950-JE-04208	09	10	-	Hic2025	BR14	02	FGS_AI02	-
21	SCS0120	01	03	05	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	05A	05B	TB-950-JE-04204	03	04	-	Hic2025	BR15	02	FGS_AI02	-
22	SCS0120	01	03	06	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	06A	06B	TB-950-JE-04204	09	10	-	Hic2025	BR16	02	FGS_AI02	-
23	SCS0120	01	03	07	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	07A	07B	TB-950-JE-06204	03	04	-	Hic2025	BR17	02	FGS_AI02	-
24	SCS0120	01	03	08	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	08A	08B	TB-950-JE-06204	09	10	-	Hic2025	BR18	02	FGS_AI02	-
25	SCS0120	01	03	09	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	09A	09B	TB-B400-FGS-002-2	17	18	-	Hic2025	BR19	02	FGS_AI02	-
26	SCS0120	01	03	10	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	10A	10B	TB-B400-FGS-002-2	19	20	-	Hic2025	BR20	02	FGS_AI02	-
27	SCS0120	01	03	11	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	11A	11B	-	-	-	-	-	-	02		-
28	SCS0120	01	03	12	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	12A	12B	-	-	-	-	-	-	02		-
29	SCS0120	01	03	13	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	13A	13B	-	-	-	-	-	-	02		-
30	SCS0120	01	03	14	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	14A	14B	-	-	-	-	-	-	02		-
31	SCS0120	01	03	15	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	15A	15B	-	-	-	-	-	-	02		-
32	SCS0120	01	03	16	B400-FGS-001	TB-01-03	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	16A	16B	-	-	-	-	-	-	02		-
33	SCS0120	01	05	01	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	01A	01B	TB-B400-FGS-002-2	05	06	-	Hic2025	BR21	02	FGS_AI02	-
34	SCS0120	01	05	02	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	02A	02B	TB-B400-FGS-002-2	11	12	-	Hic2025	BR22	02	FGS_AI02	-
35	SCS0120	01	05	03	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	03A	03B	TB-950-JE-04208	05	06	-	Hic2025	BR23	02	FGS_AI02	-
36	SCS0120	01	05	04	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	04A	04B	TB-950-JE-04208	11	12	-	Hic2025	BR24	02	FGS_AI02	-
37	SCS0120	01	05	05	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	05A	05B	TB-950-JE-04204	05	06	-	Hic2025	BR25	02	FGS_AI02	-
38	SCS0120	01	05	06	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	06A	06B	TB-950-JE-04204	11	12	-	Hic2025	BR26	02	FGS_AI02	-
39	SCS0120	01	05	07	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	07A	07B	TB-950-JE-06204	05	06	-	Hic2025	BR27	02	FGS_AI02	-
40	SCS0120	01	05	08	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	08A	08B	TB-950-JE-06204	11	12	-	Hic2025	BR28	02	FGS_AI02	-
41	SCS0120	01	05	09	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	09A	09B	TB-B400-FGS-002-2	21	22	-	Hic2025	BR29	02	FGS_AI02	-
42	SCS0120	01	05	10	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	10A	10B	TB-B400-FGS-002-2	23	24	-	Hic2025	BR30	02	FGS_AI02	-
43	SCS0120	01	05	11	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	11A	11B	-	-	-	-	-	-	02		-
44	SCS0120	01	05	12	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	12A	12B	-	-	-	-	-	-	02		-
45	SCS0120	01	05	13	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	13A	13B	-	-	-	-	-	-	02		-
46	SCS0120	01	05	14	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	14A	14B	-	-	-	-	-	-	02		-
47	SCS0120	01	05	15	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	15A	15B	-	-	-	-	-	-	02		-
48	SCS0120	01	05	16	B400-FGS-001	TB-01-05	HiCTB16-YRS-RRB-KS-CC-AI16	SAI143	B400-FGS-003	16A	16B	-	-	-	-	-	-	02		-
49	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	SCS0120	02	01	16	B400-FGS-001	TB-02-01	SBA4D-06	SAI143	B400-FGS-003	16A	16B	-	-	-	-	-	-	02		-
65	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	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	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	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	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	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	-

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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)

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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
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
78	WS0120020314	-	WS0120020314	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	2-WIRE	NIS	-
79	WS0120020315	-	WS0120020315	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
80	WS0120020316	-	WS0120020316	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
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	-	NIS	YES
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	-	NIS	YES
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	-	NIS	YES
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	-	NIS	YES
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	-	NIS	YES
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	-	NIS	YES
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	-	NIS	YES
88	WS0120020508	-	WS0120020508	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
89	WS0120020509	-	WS0120020509	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
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	-	NIS	YES
91	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
92	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
93	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
94	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
95	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
96	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DI	-	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
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	-	NIS	-
110	WS0120020714	-	WS0120020714	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	DO	-	-	NIS	-
111	WS0120020715	-	WS0120020715	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	DO	-	-	NIS	-
112	WS0120020716	-	WS0120020716	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	DO	-	-	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
126	WS0120030114	-	WS0120030114	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
127	WS0120030115	-	WS0120030115	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
128	WS0120030116	-	WS0120030116	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
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	4-WIRE	NIS	-
139	WS0120030311	-	WS0120030311	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-
140	WS0120030312	-	WS0120030312	-	-	WIRED SPARE	WIRED SPARE		-	-	-	-	FGS	AI	-	4-WIRE	NIS	-

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
71	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	% 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	% 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	---	---	---	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	% 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	% 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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01102	950-JE-01102 / B400-FGS-002	6 x 3 x 2.5 mm2	TR5	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02101	950-JE-02101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR11	-	-	-	-
81	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01103	950-JE-01103 / B400-FGS-002	6x2x0.75 mm2	PR1	-	-	-	-
82	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01103	950-JE-01103 / B400-FGS-002	6x2x0.75 mm2	PR2	-	-	-	-
83	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01103	950-JE-01103 / B400-FGS-002	6x2x0.75 mm2	PR3	-	-	-	-
84	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR1	-	-	-	-
85	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR2	-	-	-	-
86	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR3	-	-	-	-
87	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR4	-	-	-	-
88	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR5	-	-	-	-
89	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03103	950-JE-03103 / B400-FGS-002	6 x 2 x 0.75 mm2	PR6	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	INTERNAL WIRING	-	-	-	-	-	-
91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01104	950-JE-01104 / B400-FGS-002	12 x 2.5 mm2	01BK-02BK	-	-	-	-
98	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01104	950-JE-01104 / B400-FGS-002	12 x 2.5 mm2	03BK-04BK	-	-	-	-
99	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01104	950-JE-01104 / B400-FGS-002	12 x 2.5 mm2	05BK-06BK	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-01104	950-JE-01104 / B400-FGS-002	12 x 2.5 mm2	07BK-08BK	-	-	-	-
101	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	01BK-02BK	-	-	-	-
102	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	03BK-04BK	-	-	-	-
103	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	05BK-06BK	-	-	-	-
104	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	01BK-02BK	-	-	-	-
105	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	03BK-04BK	-	-	-	-
106	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	05BK-06BK	-	-	-	-
107	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	07BK-08BK	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	09BK-10BK	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03104	950-JE-03104 / B400-FGS-002	12 x 2.5 mm2	11BK-12BK	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	07BK-08BK	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	09BK-10BK	-	-	-	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02104	950-JE-02104 / B400-FGS-002	12 x 2.5 mm2	11BK-12BK	-	-	-	-
113	% 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	% 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	% 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	---	---	---	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	---	---	---	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	---	---	---	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	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	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	% 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	---	---	---	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	% 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	% 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	---	---	---	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	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-02101	950-JE-02101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR12	-	-	-	-
127	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03101	950-JE-03101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR10	-	-	-	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03101	950-JE-03101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR11	-	-	-	-
129	% 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	% 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	% 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	---	---	---	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	---	---	---	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	---	---	---	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	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	---	---	---	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	% 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	---	---	---	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	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-03101	950-JE-03101 / B400-FGS-002	12 x 3 x 2.5 mm2	TR12	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-

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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	-	-	-	-	-	-	-	---	---	---	---	-	-	-	-
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	-

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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
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	24 Vdc
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	0-20 mA
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	4-20 mA
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	FVC-24Vdc
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	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
211	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-950-MFA-04202 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
212	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-950-MFA-04203 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
213	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-950-MFA-05201 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
214	-	NIS	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C-950-MFA-06201 / B400-FGS-002	1 x 2 x 0.75 mm2	-	-	-	-	-
215	-	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	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-04207	950-JE-04207 / B400-FGS-002	24 x 2.5 mm2	01BK-02BK	-	-	-	-
226	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-04207	950-JE-04207 / B400-FGS-002	24 x 2.5 mm2	03BK-04BK	-	-	-	-
227	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-04207	950-JE-04207 / B400-FGS-002	24 x 2.5 mm2	05BK-06BK	-	-	-	-
228	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-04207	950-JE-04203 / B400-FGS-002	12 x 2.5 mm2	09BK-10BK	-	-	-	-
229	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-04207	950-JE-04203 / B400-FGS-002	12 x 2.5 mm2	11BK-12BK	-	-	-	-
230	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05103	950-JE-05103 / B400-FGS-002	12 x 2.5 mm2	01BK-02BK	-	-	-	-
231	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05103	950-JE-05103 / B400-FGS-002	12 x 2.5 mm2	03BK-04BK	-	-	-	-
232	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05103	950-JE-05103 / B400-FGS-002	12 x 2.5 mm2	05BK-06BK	-	-	-	-
233	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05103	950-JE-05103 / B400-FGS-002	12 x 2.5 mm2	07BK-08BK	-	-	-	-
234	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05104	950-JE-05104 / B400-FGS-002	12 x 2.5 mm2	01BK-02BK	-	-	-	-
235	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	950-JE-05104	950-JE-05104 / B400-FGS-002	12 x 2.5 mm2	03BK-04BK	-	-	-	-
236	-	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-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-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-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-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-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-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	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-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-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-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-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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B100-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR1	-	-	-	-
258	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B100-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR2	-	-	-	-
259	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B100-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR3	-	-	-	-
260	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B200-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR1	-	-	-	-
261	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B200-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR2	-	-	-	-
262	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B200-HSB-001 / B400-FGS-002	6 x 2 x 0.75 mm2	PR3	-	-	-	-
263	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B300-HSB-001/B400-FGS-002	6 x 2 x 0.75mm2	PR1	-	-	-	-
264	-	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	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P320PLC / B400-FGS-002	2 x 2 x 0.75 mm2	PR1	-	-	-	-
274	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P320PLC / B400-FGS-002	2 x 2 x 0.75 mm2	PR2	-	-	-	-
275	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-UCP-001 / B400-FGS-002	2 x 2 x 0.75 mm2	PR1	-	-	-	-
276	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-UCP-001 / B400-FGS-002	2 x 2 x 0.75 mm2	PR2	-	-	-	-
277	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80-UCP-001 / B400-FGS-002	2 x 2 x 0.75 mm2	PR1	-	-	-	-
278	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80-UCP-001 / B400-FGS-002	2 x 2 x 0.75 mm2	PR2	-	-	-	-
279	-	NIS	NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50-LP-002 / B400-FGS-002	2 x 2 x 0.75 mm2	PR1	-	-	-	-
280	-	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	-	-	-	02	FGS_DI01	-
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	-	-	-	02	FGS_DI01	-
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	-	-	-	02	FGS_DI01	-
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	-	-	-	02	FGS_DI01	-
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	-	-	-	02	FGS_DI01	-
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	-	-	-	02	FGS_DI01	-
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	-

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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: 04-02-2025 REV: 04

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	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DO	-
334	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DO	-
335	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DO	-
336	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS	DO	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	02	INTERNAL WIR	-
334	SCS0120	06	05	14	B400-FGS-001	TB-06-05	SBD4D-06	SDV541	B400-FGS-003	14A	14B	TB-RELAY	3	4	-	-	-	02	INTERNAL WIR	-
335	SCS0120	06	05	15	B400-FGS-001	TB-06-05	SBD4D-06	SDV541	B400-FGS-003	15A	15B	TB-RELAY	5	6	-	-	-	02	INTERNAL WIR	-
336	SCS0120	06	05	16	B400-FGS-001	TB-06-05	SBD4D-06	SDV541	B400-FGS-003	16A	16B	TB-RELAY	7	8	-	-	-	02	INTERNAL WIR	-
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		-

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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
351	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS
352	SPARE	-	SPARE	-	-	SPARE	SPARE		-	-	-	-	FGS
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
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
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
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
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
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
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
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
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
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
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
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
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
366	950-GDZ-01101-PS	-	950GDZ-01101-PS	-	-	-			-	-	L	Field	FGS
367	950-GDZ-01102-PS	-	950GDZ-01102-PS	-	-	-			-	-	L	Field	FGS
368	950-GDZ-01103-PS	-	950GDZ-01103-PS	-	-	-			-	-	L	Field	FGS
369	950-GDZ-02117-PS	-	-	-	-	-			-	-	L	Field	FGS
370	950-GDZ-02118-PS	-	-	-	-	-			-	-	L	Field	FGS
371	950-GDZ-02119-PS	-	-	-	-	-			-	-	L	Field	FGS
372	950-GDZ-02120-PS	-	-	-	-	-			-	-	L	Field	FGS
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	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
351	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
352	DI	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
353	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
354	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
355	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
356	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
357	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
358	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
359	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
360	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
361	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
362	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
363	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
364	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
365	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hold-2	Hold-2	Hold-2	Hold-2	-	-	-	-
366	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
367	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
368	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
369	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
370	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
371	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
372	-	-	-	NIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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)

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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

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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)

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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	
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	

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
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	
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	

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
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

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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

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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		

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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	

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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	

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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	

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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	

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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 2=Bypass mode 3=Battery mode 4=Eco Mode 5=Deactivation is imminent 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 2=Bypass mode 3=Battery mode 4=Eco Mode 5=Deactivation is imminent 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 2=Bypass mode 3=Battery mode 4=Eco Mode 5=Deactivation is imminent 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 2=Bypass mode 3=Battery mode 4=Eco Mode 5=Deactivation is imminent 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

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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

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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

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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

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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 2= 87-XA-083 server panel Cumulative Breaker Fault 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	20XI-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	20JI-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	20JI-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	20JI-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-1921	FLOAT		POWER FACTOR	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-3623	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-3615	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	20XS-3524	BOOL		TRANSFORMER PROTECTION TRIPPED "OIL PRESSURE"	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind11	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SCBIGGIO1_Ind11	20XA-3516	BOOL		TRANSFORMER PROTECTION ALARM "OIL PRESSURE"	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind14	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SCBIGGIO1_Ind14	20XS-4025	BOOL		TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE"	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind13	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SCBIGGIO1_Ind13	20XA-4017	BOOL		TRANSF. PROTECTION ALARM "WINDING TEMPERATURE	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_LPHD1_PhyHealth	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_LPHD1_PhyHealth	20XS-3926	BOOL		WATCHDOG PROTECTION RELAY	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SCBIGGIO1_Ind2	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SCBIGGIO1_Ind2	20XS-4827	BOOL		V.T. HEALTLY CIRCUIT	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC1_SPCSO4	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_MVGAPC1_SPCSO4	20XS-8728	BOOL		INTERTRIP SEND TO L.V. SWITCHBOARD	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SBBIGGIO1_Ind7	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SBBIGGIO1_Ind7	20XS-8629	BOOL		K86 TRIPPED	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC1_SPCSO8	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_MVGAPC1_SPCSO8	20ZSL-7101	BOOL		C.B. CLOSED AND INSERTED	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC2_SPCSO2	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_MVGAPC2_SPCSO2	20ZSH-7101	BOOL		C.B. OPENED OR ISOLATED	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC2_SPCSO3	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_MVGAPC2_SPCSO3	20ZSI-7102	BOOL		MCB'S CLOSED	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_TCSSCBR1_CircAlm	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_TCSSCBR1_CircAlm	20RDY-7101	BOOL		C.B. READY (TCS)	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_MVGAPC2_SPCSO1	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_MVGAPC2_SPCSO1	20RDYC-7101	BOOL		C.B. READY TO CLOSE	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SPCGAPC2_SPCSO002_On	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SPCGAPC2_SPCSO002_On	20OPC-7101	BOOL		OPENING COMMAND - On Command	SG100D1_A1_ELECTROLYZER	W	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SPCGAPC1_SPCSO001_On	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SPCGAPC1_SPCSO001_On	20CLC-7101	BOOL		CLOSING COMMAND - On Command	SG100D1_A1_ELECTROLYZER	W	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SPCGAPC1_SPCSO003_On	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SPCGAPC1_SPCSO003_On	20RSTC-7101	BOOL		K86 RESET COMMAND - On Command	SG100D1_A1_ELECTROLYZER	W	IEC-61850			
Logic.Application.SG_100D1_A1_GVL.SG_100D1_A1_SDBIGGIO1_Ind8	Logic.Application	SG_100D1_A1_GVL		SG_100D1_A1_SDBIGGIO1_Ind8	20UA-7101	BOOL		PROTECTION RELAY UNIT 7 HEALTHY	SG100D1_A1_ELECTROLYZER	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CC_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CC_PHL1_TEMP_DETECT	20TI-4101	INT		Phase L1 - Temperature Detection - Cabel Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CC_PHL2_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CC_PHL2_TEMP_DETECT	20TI-4202	INT		Phase L2 - Temperature Detection - Cabel Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CC_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CC_PHL3_TEMP_DETECT	20TI-4303	INT		Phase L3 - Temperature Detection - Cabel Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CBC_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CBC_PHL1_TEMP_DETECT	20TI-4104	INT		Phase L1 - Temperature Detection - C.B. Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CBC_PHL2_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CBC_PHL2_TEMP_DETECT	20TI-4205	INT		Phase L2 - Temperature Detection - C.B. Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_CBC_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_CBC_PHL3_TEMP_DETECT	20TI-4306	INT		Phase L3 - Temperature Detection - C.B. Compart.		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_MBB_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_MBB_PHL1_TEMP_DETECT	20TI-4107	INT		Phase L1 - Temperature Detection - Main Bus Bar		R	MODBUS			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A1_MBB_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A1_MBB_PHL3_TEMP_DETECT	20TI-4308	INT		Phase L3 - Temperature Detection - Main Bus Bar		R	MODBUS			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHIPTOC1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHIPTOC1_Op	89XS-5001	BOOL		PROTECTION TRIPPED "50-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHLPTOC1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHLPTOC1_Op	89XS-1102	BOOL		PROTECTION TRIPPED "51-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_EFLPTOC1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_EFLPTOC1_Op	89XS-1403	BOOL		PROTECTION TRIPPED "51N"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_LEDGGIO1_Ind3	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_LEDGGIO1_Ind3	89SYN-7201	BOOL		SYNCHRO "OK"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_ROVPTOV1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_ROVPTOV1_Op	89XS-5804	BOOL		PROTECTION TRIPPED "59N-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_ROVPTOV2_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_ROVPTOV2_Op	89XS-5705	BOOL		PROTECTION TRIPPED "59N-2"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHPTUV1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHPTUV1_Op	89XS-2806	BOOL		PROTECTION TRIPPED "27-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHPTUV2_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHPTUV2_Op	89XS-2907	BOOL		PROTECTION TRIPPED "27-2"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHPTOV1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHPTOV1_Op	89XS-6108	BOOL		PROTECTION TRIPPED "59-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PHPTOV2_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PHPTOV2_Op	89XS-6109	BOOL		PROTECTION TRIPPED "59-2"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_DPHLPTOC1_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_DPHLPTOC1_Op	89XS-6810	BOOL		PROTECTION TRIPPED "67-1"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_DPHLPTOC2_Op	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_DPHLPTOC2_Op	89XS-6911	BOOL		PROTECTION TRIPPED "67-2"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC1_SPCSO6	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_MVGAPC1_SPCSO6	89LOC-7201	BOOL		SELECTOR SWITCH IN LOCAL POSITION	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_MVGAPC1_SPCSO7	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_MVGAPC1_SPCSO7	89REM-7201	BOOL		SELECTOR SWITCH IN REMOTE POSITION	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_CMMXU1_A_phsA	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_CMMXU1_A_phsA	89CI-4101	FLOAT		Line Current (L1)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_CMMXU1_A_phsB	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_CMMXU1_A_phsB	89CI-4202	FLOAT		Line Current (L2)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_CMMXU1_A_phsC	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_CMMXU1_A_phsC	89CI-4303	FLOAT		Line Current (L3)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_VMMXU1_PPV_phsAB	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_VMMXU1_PPV_phsAB	89VI-1201	FLOAT		Line Volts (L1-L2)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_VMMXU1_PPV_phsBC	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_VMMXU1_PPV_phsBC	89VI-2302	FLOAT		Line Volts (L2-L3)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_VMMXU1_PPV_phsCA	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_VMMXU1_PPV_phsCA	89VI-3103	FLOAT		Line Volts (L3-L1)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_FMMXU1_Hz	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_FMMXU1_Hz	89FRQ-7201	FLOAT		Frequency	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PEMMXU1_TotVA	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PEMMXU1_TotVA	89JI-1601	FLOAT		APPARENT POWER (kVA)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PEMMXU1_TotW	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PEMMXU1_TotW	89JI-1802	FLOAT		REAL POWER (kW)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PEMMXU1_TotVAr	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PEMMXU1_TotVAr	89JI-1703	FLOAT		REACTIVE POWER (kVAR)	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_PEMMXU1_TotPF	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_PEMMXU1_TotPF	89XI-1901	FLOAT		POWER FACTOR	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind7	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_SCBIGGIO1_Ind7	89XS-3212	BOOL		TRANSFORMER PROTECTION TRIPPED "BUCHHOLZ"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind6	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_SCBIGGIO1_Ind6	89XA-3201	BOOL		TRANSFORMER PROTECTION ALARM "BUCHHOLZ"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind9	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_SCBIGGIO1_Ind9	89XS-3613	BOOL		TRANSFORMER PROTECTION TRIPPED "OIL TEMPERATURE"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind8	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_SCBIGGIO1_Ind8	89XA-3602	BOOL		TRANSFORMER PROTECTION ALARM "OIL TEMPERATURE"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.SG_100D1_A2_SCBIGGIO1_Ind12	Logic.Application	SG_100D1_A2_GVL		SG_100D1_A2_SCBIGGIO1_Ind12	89XA-3503	BOOL		TRANSFORMER PROTECTION TRIP "OIL PRESSURE"	SG100D1_A2_TR_200ED1	R	IEC-61850			
Logic.Application.SG_100D1_A2_GVL.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			

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO
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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	85ZSH-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 2 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_A4_GVL.SG_100D1_A4_PHHPTOC2_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHHPTOC2_Op	70XS-7401	BOOL		PROTECTION TRIPPED "50"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHHPTOC1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHHPTOC1_Op	70XS-5002	BOOL		PROTECTION TRIPPED "50-1"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHIPTOC1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHIPTOC1_Op	70XS-5203	BOOL		PROTECTION TRIPPED "50-2"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHLPTOC2_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHLPTOC2_Op	70XS-5104	BOOL		PROTECTION TRIPPED "51"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHLPTOC1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHLPTOC1_Op	70XS-1105	BOOL		PROTECTION TRIPPED "51-1"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_EFLPTOC1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_EFLPTOC1_Op	70XS-1406	BOOL		PROTECTION TRIPPED "51N"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_EFHPTOC1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_EFHPTOC1_Op	70XS-1507	BOOL		PROTECTION TRIPPED "51G"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_ROVPTOV1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_ROVPTOV1_Op	70XS-5808	BOOL		PROTECTION TRIPPED "59N-1"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_ROVPTOV2_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_ROVPTOV2_Op	70XS-5709	BOOL		PROTECTION TRIPPED "59N-2"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHPTUV1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHPTUV1_Op	70XS-2810	BOOL		PROTECTION TRIPPED "27-1"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PHPTOV1_Op	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PHPTOV1_Op	70XS-6111	BOOL		PROTECTION TRIPPED "59-1"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC1_SPCSO6	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC1_SPCSO6	70LOC-7401	BOOL		SELECTOR SWITCH IN LOCAL POSITION	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC1_SPCSO7	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC1_SPCSO7	70REM-7401	BOOL		SELECTOR SWITCH IN REMOTE POSITION	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_CMMXU1_A_phsA	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_CMMXU1_A_phsA	70CI-4104	FLOAT		Line Current (L1)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_CMMXU1_A_phsB	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_CMMXU1_A_phsB	70CI-4205	FLOAT		Line Current (L2)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_CMMXU1_A_phsC	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_CMMXU1_A_phsC	70CI-4306	FLOAT		Line Current (L3)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_VMMXU1_PPV_phsAB	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_VMMXU1_PPV_phsAB	70VI-1201	FLOAT		VOLTAGE MAIN BUS BAR (L1-l2)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_VMMXU1_PPV_phsBC	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_VMMXU1_PPV_phsBC	70VI-2302	FLOAT		VOLTAGE MAIN BUS BAR (L2-L3)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_VMMXU1_PPV_phsCA	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_VMMXU1_PPV_phsCA	70VI-3103	FLOAT		VOLTAGE MAIN BUS BAR (L3-L1)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_FMMXU1_Hz	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_FMMXU1_Hz	70FRQ-7402	FLOAT		Frequency	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PEMMXU1_TotVA	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PEMMXU1_TotVA	70JI-1601	FLOAT		APPARENT POWER (kVA)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PEMMXU1_TotW	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PEMMXU1_TotW	70JI-1802	FLOAT		REAL POWER (kW)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PEMMXU1_TotVAr	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PEMMXU1_TotVAr	70JI-1703	FLOAT		REACTIVE POWER (kVAR)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_PEMMXU1_TotPF	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_PEMMXU1_TotPF	70XI-1901	FLOAT		POWER FACTOR	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind7	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind7	70XS-3212	BOOL		TRANSFORMER PROTECTION TRIPPED "BUCHHOLZ"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind6	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind6	70XA-3201	BOOL		TRANSFORMER PROTECTION ALARM "BUCHHOLZ"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind9	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind9	70XS-3613	BOOL		TRANSFORMER PROTECTION TRIPPED "OIL TEMPERATURE"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind8	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind8	70XA-3602	BOOL		TRANSFORMER PROTECTION ALARM "OIL TEMPERATURE"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind10	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind10	70XS-7414	BOOL		PROTECTION TRIPPED ALARM "OIL LEVEL"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind12	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind12	70XS-3515	BOOL		TRANSFORMER PROTECTION TRIPPED "OIL PRESSURE"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind14	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind14	70XS-4016	BOOL		TRANSF. PROTECTION TRIPPED "WINDING TEMPERATURE"	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind13	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind13	70XA-4003	BOOL		TRANSF. PROTECTION ALARM "WINDING TEMPERATURE	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SCBIGGIO1_Ind11	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SCBIGGIO1_Ind11	70XA-7404	BOOL		TRANSF. OIL LEVEL VERY LOW ALARM	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SDBIGGIO1_Ind7	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SDBIGGIO1_Ind7	70XA-3405	BOOL		TRANSFORMER GENERAL ALARM	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_LPHD1_PhyHealth	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_LPHD1_PhyHealth	70UA-3901	BOOL		WATCHDOG PROTECTION RELAY	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC1_SPCSO4	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC1_SPCSO4	70XS-8717	BOOL		INTERTRIP SEND TO L.V. SWITCHBOARD	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SBBIGGIO1_Ind7	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SBBIGGIO1_Ind7	70XS-8618	BOOL		K86 TRIPPED	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC1_SPCSO8	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC1_SPCSO8	70CLS-7401	BOOL		Contactor CLOSED AND INSERTED	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC2_SPCSO2	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC2_SPCSO2	70ZSH-7401	BOOL		Contactor OPENED OR ISOLATED	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC2_SPCSO3	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC2_SPCSO3	70CLS-7402	BOOL		MCB'S CLOSED	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_TCSSCBR1_CircAlm	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_TCSSCBR1_CircAlm	70RDY-7401	BOOL		Contactor READY (TCS)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_MVGAPC2_SPCSO1	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_MVGAPC2_SPCSO1	70RDY-7402	BOOL		Contactor READY TO CLOSE	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SPCGAPC2_SPCSO002_On	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SPCGAPC2_SPCSO002_On	70OPC-7401	BOOL		OPENING COMMAND - On Command	SG100D1_A4_TR_200DE1	W	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SPCGAPC1_SPCSO001_On	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SPCGAPC1_SPCSO001_On	70CLC-7401	BOOL		CLOSING COMMAND - On Command	SG100D1_A4_TR_200DE1	W	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SPCGAPC1_SPCSO003_On	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SPCGAPC1_SPCSO003_On	70RSTC-7401	BOOL		K86 RESET COMMAND - On Command	SG100D1_A4_TR_200DE1	W	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SDBIGGIO1_Ind8	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SDBIGGIO1_Ind8	70UA-7402	BOOL		PROTECTION RELAY UNIT 3 HEALTHY	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_A4_GVL.SG_100D1_A4_SDBIGGIO1_Ind9	Logic.Application	SG_100D1_A4_GVL		SG_100D1_A4_SDBIGGIO1_Ind9	70HS-7401	BOOL		SELECTOR SWITCH OF OVERRIDE (SIL ENABLED)	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CC_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CC_PHL1_TEMP_DETECT	70TI-4101	INT		Phase L1 - Temperature Detection - Cabel Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CC_PHL2_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CC_PHL2_TEMP_DETECT	70TI-4202	INT		Phase L2 - Temperature Detection - Cabel Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CC_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CC_PHL3_TEMP_DETECT	70TI-4303	INT		Phase L3 - Temperature Detection - Cabel Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CBC_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CBC_PHL1_TEMP_DETECT	70TI-4104	INT		Phase L1 - Temperature Detection - C.B. Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CBC_PHL2_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CBC_PHL2_TEMP_DETECT	70TI-4205	INT		Phase L2 - Temperature Detection - C.B. Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_CBC_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_CBC_PHL3_TEMP_DETECT	70TI-4306	INT		Phase L3 - Temperature Detection - C.B. Compart.	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_MBB_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_MBB_PHL1_TEMP_DETECT	70TI-4107	INT		Phase L1 - Temperature Detection - Main Bus Bar	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A4_MBB_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A4_MBB_PHL3_TEMP_DETECT	70TI-4308	INT		Phase L3 - Temperature Detection - Main Bus Bar	SG100D1_A4_TR_200DE1	R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A5_TVC_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A5_TVC_PHL1_TEMP_DETECT	70TI-4109	INT		Phase L1 -Temperature Detection - T.V. Compartment		R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A5_TVC_PHL2_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A5_TVC_PHL2_TEMP_DETECT	70TI-4210	INT		Phase L2 -Temperature Detection - T.V. Compartment		R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A5_TVC_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A5_TVC_PHL3_TEMP_DETECT	70TI-4311	INT		Phase L3 -Temperature Detection - T.V. Compartment		R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A5_MBB_PHL1_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A5_MBB_PHL1_TEMP_DETECT	70TI-4112	INT		Phase L1 - Temperature Detection - Main Bus Bar		R	IEC-61850			
Logic.Application.SG_100D1_MDB_GVL.SG_100D1_A5_MBB_PHL3_TEMP_DETECT	Logic.Application	SG_100D1_MDB_GVL		SG_100D1_A5_MBB_PHL3_TEMP_DETECT	70TI-4313	INT		Phase L3 - Temperature Detection - Main Bus Bar		R	IEC-61850			
Logic.Application.SG_100D1_A6_GVL.SG_100D1_A6_PHIPTOC1_Op	Logic.Application	SG_100D1_A6_GVL		SG_100D1_A6_PHIPTOC1_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)	SG100D1_A6_TR_100AD1	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)	SG100D1_A6_TR_100AD1	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)	SG100D1_A6_TR_100AD1	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	70JI-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	70JI-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	70JI-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 SWITCHB.	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 ARC 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 0 : MISE POWER ON (POWER ON) 1 : MODE STOP (STOP) 2 : MODE IDLE (IDLE) 3 : MODE STAND BY 4 : MODE PRODUCTION 5 : MODE MANUEL 6 : MODE Stop in progress 7. MODE Start in progress 8. MODE IDLE in progress 9. STAND BY in progress 10. Standby DISTANT MODE 11 : MISE POWER ON (POWER ON) 12 : MODE STOP (STOP) 13 : MODE IDLE (IDLE) 14 : MODE STANDY BY (STANDY BY) 15 : MODE PRODUCTION 16 : MODE Stop in progress 17. MODE Start in progress 18. MODE IDLE in progress 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 Rectifer 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	20QJI-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)	20QJI-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)	20QJI-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_TT-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	80JI-0045	INT16				R	MODBUS	1041	INPUT REGISTER	INT16
Logic.Application.FUEL_CELL.AnalogStatus_AUX_Apparent_Power	Logic.Application	FUEL_CELL	AnalogStatus	AUX Apparent Power	80JI-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

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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) 6:Initialization(Initialize) 10: Sleep(Sleep) 14: Wakeup(StartupContainerVentilation) 17: Wakeup(FCwaveWakeup) 19: Wakeup(HydrogenHeaterStartup) 20: Standby(Standby) 30: Startup(BatteryStartup) 40: Startup(NanogridStartup) 50: Startup(LTCoolantStartup) 60: Startup(MicrogridStartup) 100:Running(Running) 105:Rampdown(RampDownPower) 110:Rampdown(MicrogridShutdown) 120:Rampdown(ChargeBattery) 130:Rampdown(ShutdownFCwaves) 140:Aftercool(Aftercool) 160:Shutdown(ShutdownNanogrid) 172:Shutdown(ShutdownHydorgenHeater) 180:Shutdown(PutFCwavesToSleep) 190:Shutdown(ShutdownVentilation) 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	89QUI-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	30009	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		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	89QUI-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	89QUI-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 0:Warning 1:Error 2:Preheat State 3:Standby State 4:Precharge State 5:Ready State 6:Active State "In Operation" 7:Safety relais triggered 8:Smoke detector triggered 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 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

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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_commands_are_blocked	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_commands_are_blocked	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_1	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	70QII-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	70QII-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_commar	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_7SI85_Relay_Failure	Logic.Application	GIS	7UT85	7SI85 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.7SI85_N_Phase_currents_angle	Logic.Application	GIS	7SI85	N Phase currents angle	70CA-4758	MMXU		Measure		R				
Logic.Application.GIS.7SI85_A_Phase_active_power_magnitude	Logic.Application	GIS	7SI85	A Phase active power magnitude	70II-4442	MMXU		Measure		R				
Logic.Application.GIS.7SI85_B_Phase_active_power_magnitude	Logic.Application	GIS	7SI85	B Phase active power magnitude	70II-4543	MMXU		Measure		R				
Logic.Application.GIS.7SI85_C_Phase_active_power_magnitude	Logic.Application	GIS	7SI85	C Phase active power magnitude	70II-4644	MMXU		Measure		R				
Logic.Application.GIS.7SI85_A_Phase_reactive_power_magnitude	Logic.Application	GIS	7SI85	A Phase reactive power magnitude	70JI-4445	MMXU		Measure		R				
Logic.Application.GIS.7SI85_B_Phase_reactive_power_magnitude	Logic.Application	GIS	7SI85	B Phase reactive power magnitude	70JI-4546	MMXU		Measure		R				
Logic.Application.GIS.7SI85_C_Phase_reactive_power_magnitude	Logic.Application	GIS	7SI85	C Phase reactive power magnitude	70JI-4647	MMXU		Measure		R				
Logic.Application.GIS.7SI85_Import_active_energy	Logic.Application	GIS	7SI85	Import active energy	70UI-0037	MMTR		Measure		R				
Logic.Application.GIS.7SI85_Export_active_energy	Logic.Application	GIS	7SI85	Export active energy	70UI-0038	MMTR		Measure		R				
Logic.Application.GIS.7SI85_Import_reactive_energy	Logic.Application	GIS	7SI85	Import reactive energy	70UI-0039	MMTR		Measure		R				
Logic.Application.GIS.7SI85_Export_reactive_energy	Logic.Application	GIS	7SI85	Export reactive energy	70UI-0040	MMTR		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Demand_Distortion_phsA	Logic.Application	GIS	7SI85	Current Total Demand Distortion phsA	70CI-0059	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Demand_Distortion_phsB	Logic.Application	GIS	7SI85	Current Total Demand Distortion phsB	70CI-0060	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Demand_Distortion_phsC	Logic.Application	GIS	7SI85	Current Total Demand Distortion phsC	70CI-0061	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Harmonic_Distortion_phsA	Logic.Application	GIS	7SI85	Current Total Harmonic Distortion phsA	70CI-0062	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Harmonic_Distortion_phsB	Logic.Application	GIS	7SI85	Current Total Harmonic Distortion phsB	70CI-0063	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Current_Total_Harmonic_Distortion_phsC	Logic.Application	GIS	7SI85	Current Total Harmonic Distortion phsC	70CI-0064	MHAI		Measure		R				
Logic.Application.GIS.7SI85_Voltage_unbalance_max_overall	Logic.Application	GIS	7SI85	Voltage unbalance max overall	70VI-0092	QVUV		Measure		R				
Logic.Application.GIS.7SI85_Voltage_dip_Dur_	Logic.Application	GIS	7SI85	Voltage dip Dur.	70VI-0093	QVVR		Measure		R				
Logic.Application.GIS.7SI85_Voltage_dip_Vres_	Logic.Application	GIS	7SI85	Voltage dip Vres.	70VI-0094	QVVR		Measure		R				
Logic.Application.GIS.7SI85_Voltage_swell_Dur_	Logic.Application	GIS	7SI85	Voltage swell Dur.	70VI-0095	QVVR		Measure		R				
Logic.Application.GIS.7SI85_Voltage_swell_Vsw_	Logic.Application	GIS	7SI85	Voltage swell Vsw.	70VI-0096	QVVR		Measure		R				
Logic.Application.GIS.7SI85_Voltage_interrup._Dur_	Logic.Application	GIS	7SI85	Voltage interrup. Dur.	70VI-0097	QVVR		Measure		R				
Logic.Application.GIS.7SI85_Voltage_interrup._Vres_	Logic.Application	GIS	7SI85	Voltage interrup. Vres.	70VI-0098	QVVR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_CT1	Logic.Application	GIS	7SI85	LSVS1 Smapled Value CT1	70CI-3365	I01ATCTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_CT2	Logic.Application	GIS	7SI85	LSVS1 Smapled Value CT2	70CI-3301	I01ATCTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_CT3	Logic.Application	GIS	7SI85	LSVS1 Smapled Value CT3	70CI-3302	I01ATCTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_CT4	Logic.Application	GIS	7SI85	LSVS1 Smapled Value CT4	70CI-3303	I01ATCTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_VT1	Logic.Application	GIS	7SI85	LSVS1 Smapled Value VT1	70VI-4941	U01BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_VT2	Logic.Application	GIS	7SI85	LSVS1 Smapled Value VT2	70VI-4942	U01BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_VT3	Logic.Application	GIS	7SI85	LSVS1 Smapled Value VT3	70VI-4943	U01BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS1_Smapled_Value_VT4	Logic.Application	GIS	7SI85	LSVS1 Smapled Value VT4	70VI-4944	U01BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS2_Smapled_Value_VT1	Logic.Application	GIS	7SI85	LSVS2 Smapled Value VT1	70VI-4945	U02BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS2_Smapled_Value_VT2	Logic.Application	GIS	7SI85	LSVS2 Smapled Value VT2	70VI-4946	U02BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS2_Smapled_Value_VT3	Logic.Application	GIS	7SI85	LSVS2 Smapled Value VT3	70VI-4947	U02BCVTVTR		Measure		R				
Logic.Application.GIS.7SI85_LSVS2_Smapled_Value_VT4	Logic.Application	GIS	7SI85	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-0003	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. If positive the battery is discharged 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", 2:"Error", 4:"Preheat State", 8:"Standby State", 16:"Precharge State", 32:"Ready State", 64:"Active State", 128:"Safety relais", 256:"Smoke detector", 512:"main switch on".	R				
Logic.Application.EMCS_Internal.BESS_OperatingStatusCmd	Logic.Application	EMCS_Internal		BESS_OperatingStatusCmd	85UC-00014	Int16		BitMask Dec 0: Stop; 0 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 LOCAL MODE 0 : MISE POWER ON (POWER ON) 1 : MODE STOP (STOP) 2 : MODE IDLE (IDLE) 3 : MODE STAND BY 4 : MODE PRODUCTION 5 : MODE MANUEL 6 : MODE Stop in progress 7. MODE Start in progress 8. MODE IDLE in progress 9. STAND BY in progress 10. Standby DISTANT MODE 11 : MISE POWER ON (POWER ON) 12 : MODE STOP (STOP) 13 : MODE IDLE (IDLE) 14 : MODE STANDBY (STANDY BY) 15 : MODE PRODUCTION 16 : MODE Stop in progress 17. MODE Start in progress 18. MODE IDLE in progress 19. STAND BY in progress		R				
Logic.Application.EMCS_Internal.Electrolyzer_OperatingStatusCmd	Logic.Application	EMCS_Internal		Electrolyzer_OperatingStatusCmd	20UC-0001	Int16	-	Enum 1 : MODE STOP (STOP) 2 : MODE IDLE (IDLE) 3 : MODE STANDBY (STANDY BY) 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) 63:Initialization(Initialize) 10: Sleep(Sleep) 14: Wakeup(StartupContainerVentilation) 17: Wakeup(FCwavesWakeup) 19: Wakeup(HydrogenHeaterStartup) 20: Standby(Standby) 30: Startup(BatteryStartup) 40: Startup(NanogridStartup) 50: Startup(LTCoolantStartup) 60: Startup(MicrogridStartup) 100:Running(Running) 105:Rampdown(RampDownPower) 110:Rampdown(MicrogridShutdown) 120:Rampdown(ChargeBattery) 130:Rampdown(ShutdownFCwaves) 140:Aftercool(Aftercool) 160:Shutdown(ShutdownNanogrid) 172:Shutdown(ShutdownHydorgenHeater) 180:Shutdown(PutFCwavesToSleep) 190:Shutdown(ShutdownVentilation) 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 0:Wakeup 1 1:Sleep 2 2:Start 4 3:Stop 8 4:<Spare> 16 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, 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: 0: Automatic 1: Manual Active 2: Manual Inactive	Automatic: the HNAS Supply Guaranty is applied Manual Active: operator override 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 0:NONE 1:IDLE 2:IMPORT 3:IMPORT_ABLE_TO_CHARGE 4:IMPORT_NOT_ABLE_TO CHARGE 5:HOT_STANDBY 6:EXPORT 7:COLD_STANDBY 8:EMERGENCY 9:POWER_OUT 10:MAINTENANCE 11:RESEARCH						
Logic.Application.EMCS_StatusMachine.Current_SubMode	Logic.Application	EMCS_StatusMachine		Current_SubMode	87UI-0038	Int16		Enumeration 0:Idle 1:Init 2:Running 3:Stopping						
Logic.Application.EMCS_StatusMachine.Next_Mode	Logic.Application	EMCS_StatusMachine		Next_Mode	87UI-0039	Int16		Enumeration 0:NONE 1:IDLE 2:IMPORT 3:IMPORT_ABLE_TO_CHARGE 4:IMPORT_NOT_ABLE_TO CHARGE 5:HOT_STANDBY 6:EXPORT 7:COLD_STANDBY 8:EMERGENCY 9:POWER_OUT 10:MAINTENANCE 11:RESEARCH						
Logic.Application.EMCS_StatusMachine.Next_SubMode	Logic.Application	EMCS_StatusMachine		Next_SubMode	87UI-0040	Int16		Enumeration 0:Idle 1:Init 2:Running 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 0:NONE 1:IDLE 2:IMPORT 3:IMPORT_ABLE_TO_CHARGE 4:IMPORT_ NOT_ABLE_ TO CHARGE 5:HOT_STANDBY 6:EXPORT 7:COLD_STANDBY 8:EMERGENCY 9:POWER_OUT 10:MAINTENANCE 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 0:NONE 1:IDLE 2:IMPORT 3:IMPORT_ABLE_TO_CHARGE 4:IMPORT_ NOT_ABLE_ TO CHARGE 5:HOT_STANDBY 6:EXPORT 7:COLD_STANDBY 8:EMERGENCY 9:POWER_OUT 10:MAINTENANCE 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) 10: Sleep(Sleep) 14: Wakeup(StartupContainerVentilation) 17: Wakeup(FCwaveWakeup) 19: Wakeup(HydrogenHeaterStartup) 20: Standby(Standby) 30: Startup(BatteryStartup) 40: Startup(NanogridStartup) 50: Startup(LTCoolantStartup) 60: Startup(MicrogridStartup) 100:Running(Running) 105:Rampdown(RampDownPower) 110:Rampdown(MicrogridShutdown) 120:Rampdown(ChargeBattery) 130:Rampdown(ShutdownFCwaves) 140:Aftercool(Aftercool) 160:Shutdown(ShutdownNanogrid) 172:Shutdown(ShutdownHydorgenHeater) 180:Shutdown(PutFCwavesToSleep) 190:Shutdown(ShutdownVentilation) 200:Error(Error)	87UI-0003	INITIALIZE STATUS	
ElectrolyzerOperatingStatus	InputRegister	4	UINT16		LOCAL MODE 0 : MISE POWER ON (POWER ON) 1 : MODE STOP (STOP) 2 : MODE IDLE (IDLE) 3 : MODE STAND BY 4 : MODE PRODUCTION 5 : MODE MANUEL 6 : MODE Stop in progress 7. MODE Start in progress 8. MODE IDLE in progress 9. STAND BY in progress 10. Standby DISTANT MODE 11 : MISE POWER ON (POWER ON) 12 : MODE STOP (STOP) 13 : MODE IDLE (IDLE) 14 : MODE STANDY BY (STANDY BY) 15 : MODE PRODUCTION 16 : MODE Stop in progress 17. MODE Start in progress 18. MODE IDLE in progress 19. STAND BY in progress	87UI-0004		
PCS.EMCS.PermToEnterMode	HoldingRegister	1	UINT16	-	EMCS Mode Enmeration 0:NONE 1:IDLE 2:IMPORT 3:IMPORT_ABLE_TO_CHARGE 4:IMPORT_ NOT_ABLE_ TO CHARGE 5:HOT_STANDBY 6:EXPORT 7:COLD_STANDBY 8:EMERGENCY 9:POWER_OUT 10:MAINTENANCE 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	