Base Load Power Hub (BLPH)

B-200 HVAC I/O LIST - E&I SHELTERS

Document Number: 1724000049-HV-LIS-00052

Document Class: 3

ROSETTI MARINO

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
L. Caviglia	04/02/2025

Rev.	Date	Description	Prepared	Reviewed	Approved
05	28/01/2025	Issue for Information (IFI)	M.G.	O.A.	C.A.
04	19/12/2024	Issue for Information (IFI)	M.G.	O.A.	C.A.
03	11/11/2024	Issue for Information (IFI)	M.G.	O.A.	C.A.
02	17/10/2024	Issue for Information (IFI)	M.G.	O.A.	C.A.
01	28/06/2024	Issue for Information (IFI)	F.M.	S.S.	M.G.
00	07/06/2024	Issue for Information (IFI)	F.M.	S.S.	M.G.

ALEXSISTEMI spa

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1	Cover	X	X	X	X	X			
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3	Revision / Change Log	X	X	X	X	X			
4	I/O List	X	X	X	X	X			
5	I/O List	X	X	X	X	X			
6	I/O List	X	X	X	X	X			

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Revision / Change Log

Rev.	Description
00	ISSUE FOR INFORMATION (IFI)
01	ISSUE FOR INFORMATION (IFI)
02	ISSUE FOR INFORMATION (IFI)
03	ISSUE FOR INFORMATION (IFI)
04	ISSUE FOR INFORMATION (IFI)
05	ISSUE FOR INFORMATION (IFI)

HOLDS LIST

No.	Description
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4.	

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CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-WP4-2023-05	ROSETTI MARINO
Document Titel:	B-200 HVAC IO LIST - E&I SHELTERS	Sh. 4 of 6 Date: 28/01/2025 Rev: 5

Rev	Item	P&ID	PLC I / O	Service Description	Terminal Block I/O	SIGNAL TAG	Equipment	IO Type	Location		Logic State		Range		E.U.	Alarms				Ex	Red	Mon	Signal Type	Power	Note
									From	To	State 0	State 1	Min	Max		LL	L	H	HH						
Outside system signals																									
3	1	123A90-1724000049HV-PID-00040	I 2,4	SHUT DOWN	XC - 100 / 101	77-XS-002	B200-HSB-001	DI	FGS	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From SIS, Free voltage contact for HVAC system
3	2	123A90-1724000049HV-PID-00040	Q0,2	HVAC CRITICAL FAULT	XC - 102 / 103	77XA-002	B200-HSB-001	DO	FGS	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From HVAC & Lighting Panel, Free voltage contact for SIS system
3	3	123A90-1724000049HV-PID-00040	I 4,7	F&G DAMPER HDF-77004 CLOSE SIGNAL	XFD/S - 800 / 801	77-ZSL-004	HDF-77004	DO	HVAC UCP	F&G	NOT CLOSE	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From HVAC & Lighting Panel, Free voltage contact for F&G system
3	4	123A90-1724000049HV-PID-00040	I 5,1	F&G DAMPER HDF-77005 CLOSE SIGNAL	XFD/S - 804 / 805	77-ZSL-005	HDF-77005	DO	HVAC UCP	F&G	NOT CLOSE	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From HVAC & Lighting Panel, Free voltage contact for F&G system
3	5	123A90-1724000049HV-PID-00040	I 5,3	F&G DAMPER HDF-77006 CLOSE SIGNAL	XFD/S - 808 / 809	77-ZSL-006	HDF-77006	DO	HVAC UCP	F&G	NOT CLOSE	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From HVAC & Lighting Panel, Free voltage contact for F&G system
HVAC system signals																									
4	6	123A90-1724000049HV-PID-00040	I 0,0	MOTORISED DAMPER CLOSED			HDZ-77-201	DI	HDZ-77-201	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	7	123A90-1724000049HV-PID-00040	I 0,1	MOTORISED DAMPER OPEN			HDZ-77-201	DI	HDZ-77-201	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	8	123A90-1724000049HV-PID-00040	I 0,4	MAIN BRAKER TRIP SIGNAL			HVAC UCP	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	9	123A90-1724000049HV-PID-00040	I 0,5	PRESSURIZING FAN UNIT HHU-77003 THERMIC PROTECTION			TE-77-201	DI	TE-77-201	HVAC UCP	RUNNING	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	10	123A90-1724000049HV-PID-00040	I 0,6	HHU-77003 ELECTRICAL HEATER HIGH/VERY HIGH THERMOSTATE TRIP			TSH-HH-77-201	DI	TSH-HH-77-201	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	11	123A90-1724000049HV-PID-00040	I 0,7	PRESSURIZING FAN UNIT HHU-77003 TRIP			HFM-77-201	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	12	123A90-1724000049HV-PID-00040	I 1,0	PRESSURIZING FAN UNIT HHU-77003 VSD MALFUNCTION			HFM-77-201	DI	HVAC UCP	HVAC UCP	RUNNING	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	13	123A90-1724000049HV-PID-00040	I 1,1	PRESSURIZING FAN UNIT HHU-77004 THERMIC PROTECTION			TE-77-202	DI	TE-77-202	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	14	123A90-1724000049HV-PID-00040	I 1,2	HHU-77004 ELECTRICAL HEATER HIGH/VERY HIGH THERMOSTATE TRIP			TSH/HH-77-202	DI	TSH/HH-77-202	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	15	123A90-1724000049HV-PID-00040	I 1,3	PRESSURIZING FAN UNIT HHU-77004 TRIP			HFM-77-202	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	16	123A90-1724000049HV-PID-00040	I 1,4	PRESSURIZING FAN UNIT HHU-77004 VSD MALFUNCTION			HFM-77-202	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	17	123A90-1724000049HV-PID-00040	I1.5	ELECTRICAL HEATER HHU-77003 TRIP			HSS-77-201	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	18	123A90-1724000049HV-PID-00040	I 1,6	ELECTRICAL HEATER HHU-77004 TRIP			HSS-77-202	DI	HVAC UCP	HVAC UCP	RUNNING	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	19	123A90-1724000049HV-PID-00040	I 1,7	HHU-77003 ELECTRICAL HEATER MODULATION FAULT			HSS-77-201	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	20	123A90-1724000049HV-PID-00040	I 2,0	HHU-77004 ELECTRICAL HEATER MODULATION FAULT			HSS-77-202	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	21	123A90-1724000049HV-PID-00040	I 2,1	TRIP SIGNAL AUX			B200-HSB-001	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	22	123A90-1724000049HV-PID-00040	I 2,2	TRIP SIGNAL LIGHT POWER SUPPLY			B200-HSB-001	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	23	123A90-1724000049HV-PID-00040	I 2,3	TRIP SIGNAL MODULE SOCKET			B200-HSB-001	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	24	123A90-1724000049HV-PID-00040	I 2,5	MOTORISED DAMPER CLOSED			HDZ-77-202	DI	HDZ-77-202	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	25	123A90-1724000049HV-PID-00040	I 2,6	MOTORISED DAMPER OPEN			HDZ-77-202	DI	HDZ-77-202	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	26	123A90-1724000049HV-PID-00040	I 2,7	HHU-77003 AUTOMATIC SELECTOR			HHU-77003	DI	HVAC UCP	HVAC UCP	NOT AUTOMATIC	AUTOMATIC	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	27	123A90-1724000049HV-PID-00040	I 3,0	TRIP AUX SECTION HHU-77003			HHU-77003	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	28	123A90-1724000049HV-PID-00040	I 3,1	GENERAL PANEL AUX TRIP			B200-HSB-001	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	29	123A90-1724000049HV-PID-00040	I 3,2	HHU-77003 SECTION MAIN BRAKER TRIP			HHU-77003	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	30	123A90-1724000049HV-PID-00040	I 3,3	HHU-77004 SECTION MAIN BRAKER TRIP			HHU-77004	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	31	123A90-1724000049HV-PID-00040	I 3,4	SPACE HEATER TRIP			HHS-77004/5/6	DI	HVAC UCP	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	32	123A90-1724000049HV-PID-00040	I 3,6	SPACE HEATER RUN			HHS-77004/5/6	DI	HVAC UCP	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	33	123A90-1724000049HV-PID-00040	I 4,0	HHU-77004 AUTOMATIC SELECTOR			HHU-77004	DI	HVAC UCP	HVAC UCP	NOT AUTOMATIC	AUTOMATIC	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	34	123A90-1724000049HV-PID-00040	I 4,1	HHU-77003 FAN LOW PRESSURE			PDSL-77-201	DI	PDSL-77-201	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	35	123A90-1724000049HV-PID-00040	I 4,2	HHU-77003 FILTER FLOW SWITCH HIGH PRESSURE			PDT-77-201	DI	PDT-77-201	HVAC UCP	NORMAL	DIRTY	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	36	123A90-1724000049HV-PID-00040	I 4,3	HHU-77004 FAN LOW PRESSURE			PDSL-77-202	DI	PDSL-77-202	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	37	123A90-1724000049HV-PID-00040	I 4,4	HHU-77004 FILTER FLOW SWITCH HIGH PRESSURE			PDT-77-202	DI	PDT-77-202	HVAC UCP	NORMAL	DIRTY	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	38	123A90-1724000049HV-PID-00040	I 4,5	HHU-77003 MANUAL MODE			HHU-77003	DI	HHU-77003	HVAC UCP	NOT MANUAL	MANUAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	39	123A90-1724000049HV-PID-00040	I 4,6	HHU-77004 MANUAL MODE			HHU-77004	DI	HHU-77004	HVAC UCP	NOT MANUAL	MANUAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	40	123A90-1724000049HV-PID-00040	I 4,7	HFD-77004 CLOSE FEEDBACK		77-ZSL-004	HFD-77004	DI	HFD-77004	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	41	123A90-1724000049HV-PID-00040	I 5,0	HFD-77004 OPEN FEEDBACK		77-ZSH-004	HFD-77004	DI	HFD-77004	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	42	123A90-1724000049HV-PID-00040	I 5,1	HFD-77005 CLOSE FEEDBACK		77-ZSL-005	HFD-77005	DI	HFD-77005	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	43	123A90-1724000049HV-PID-00040	I 5,2	HFD-77005 OPEN FEEDBACK		77-ZSH-005	HFD-77005	DI	HFD-77005	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	44	123A90-1724000049HV-PID-00040	I 5,3	HFD-77006 CLOSE FEEDBACK		77-ZSL-006	HFD-77006	DI	HFD-77006	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	45	123A90-1724000049HV-PID-00040	I 5,4	HFD-77006 OPEN FEEDBACK		77-ZSH-006	HFD-77006	DI	HFD-77006	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	46	123A90-1724000049HV-PID-00040	I 0,2	HEAING CABLE TRIP			HHC-77-002	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	47	123A90-1724000049HV-PID-00040	Q 0,0	PRESSURIZING FAN UNIT HHU-77003 VSD START			HFM-77-201	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24 V DC		-
4	48	123A90-1724000049HV-PID-00040	Q 0,1	PRESSURIZING FAN UNIT HHU-77004 VSD START			HFM-77-202	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24 V DC		-
4	49	123A90-1724000049HV-PID-00040	Q 0,3	DAMPER OPEN COMMAND			HDZ-77-201	DO	HVAC UCP	HDZ-77001	CLOSE	OPEN	-	-	-	-	-	-	-	-	-	-	24 V DC		-
4	50	123A90-1724000049HV-PID-00040	Q 0,4	PRESSURIZING FAN UNIT HHU-77003 HEATER START			HSS-77-203	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24 V DC		-
4	51	123A90-1724000049HV-PID-00040	Q 0,5	PRESSURIZING FAN UNIT HHU-77004 HEATER START			HSS-77-204	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24 V DC		-

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-WP4-2023-05	ROSETTI MARINO
Document Titel:	B-200 HVAC IO LIST - E&I SHELTERS	Sh.5 of 6 Date: 28/01/2025 Rev: 5

Rev	Item	P&ID	PLC I / O	Service Description	SIGNAL TAG	Equipment	IO Type	Location		Logic State		Range		E.U.	Alarms				Ex	Red	Mon	Signal Type	Power	Note
								From	To	State 0	State 1	Min	Max		LL	L	H	HH						
4	52	123A90-1724000049HV-PID-00040	Q 0,6	SPACE HEATER START		HHS-77004/5/6	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	-	24 V DC	-
4	53	123A90-1724000049HV-PID-00040	Q 0,7	DAMPER OPEN COMMAND		HDZ-77-202	DO	HVAC UCP	HDZ-77002	CLOSE	OPEN	-	-	-	-	-	-	-	-	-	-	-	24 V DC	-
4	54	123A90-1724000049HV-PID-00040	AQ 0,0	PRESSURIZING FAN UNIT HHU-77003 VSD MODULATION		HFM-77-201	AO	HVAC UCP	HVAC UCP	-	-	4	20mA	-	-	-	-	-	-	-	-	4-20mA		-
4	55	123A90-1724000049HV-PID-00040	AQ 0,1	PRESSURIZING FAN UNIT HHU-77004 VSD MODULATION		HFM-77-202	AO	HVAC UCP	HVAC UCP	-	-	4	20mA	-	-	-	-	-	-	-	-	4-20mA		-
4	56	123A90-1724000049HV-PID-00040	AQ 0,2	HHU-77003 ELECTRICAL HEATER MODULATION		HSS-77-201	AO	HVAC UCP	HVAC UCP	-	-	4	20mA	-	-	-	-	-	-	-	-	4-20mA	-	-
4	57	123A90-1724000049HV-PID-00040	AQ 0,3	HHU-77004 ELECTRICAL HEATER MODULATION		HSS-77-202	AO	HVAC UCP	HVAC UCP	-	-	4	20mA	-	-	-	-	-	-	-	-	4-20mA	-	-
4	58	123A90-1724000049HV-PID-00040	AI 0,0	TEMPERATURE TRASMITTER 001		77-TT-201	AI	77-TT-201	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20mA	-	-
4	59	123A90-1724000049HV-PID-00040	AI 0,1	TEMPERATURE TRASMITTER 002		77-TT-202	AI	77-TT-202	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20mA	-	-
4	60	123A90-1724000049HV-PID-00040	AI 0,3	TEMPERATURE TRASMITTER 003		77-TT-203	AI	77-TT-203	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20mA	-	-
4	61	123A90-1724000049HV-PID-00040	AI 1,0	TEMPERATURE TRASMITTER 004		77-TT-204	AI	77-TT-204	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20mA	-	-
4	62	123A90-1724000049HV-PID-00040	AI 0,2	DIFFERENTIAL PRESSURE TRASMITTER PDIT-001		77-PT-201	AI	77-PT-201	HVAC UCP	-	-	0	500	Pa	-	-	-	-	-	-	-	4-20mA	-	-

HVAC ModBUs Signal

Rev	Item	P&ID	PLC I / O	Service Description	EQUIPMENT TAG	SIGNAL TAG	SIGNAL TYPE		SIGNAL TO PCS	MODBUS			STATUS		E.U.	RANGE				READ (R) WRITE (W)		Note
							PROTOCOL	TYPE		SLAVE ADDRESS	REGISTER	BIT NO.	HIGH - 1	LOW - 0		MIN		MAX				
4	67	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77004 NOT OPEN	HFD-77004	HFD-77004-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40001	0	NOT OPEN	OK						R		
4	68	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77004 NOT CLOSE	HFD-77004	HFD-77004-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40001	1	NOT CLOSE	OK						R		
4	69	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77005 NOT OPEN	HFD-77005	HFD-77-005-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40001	2	NOT OPEN	OK						R		
4	70	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77005 NOT CLOSE	HFD-77005	HFD-77-005-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40001	3	NOT CLOSE	OK						R		
4	71	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77006 NOT OPEN	HFD-77006	HFD-77-006-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40001	4	NOT OPEN	OK						R		
4	72	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFD-77006 NOT CLOSE	HFD-77006	HFD-77-006-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40001	5	NOT CLOSE	OK						R		
4	73	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HDZ-77-201 NOT OPEN	HDZ-77-201	HDZ-77-201-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40001	6	NOT OPEN	OK						R		
4	74	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HDZ-77-201 NOT CLOSE	HDZ-77-201	HDZ-77-201-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40001	7	NOT CLOSE	OK						R		
4	75	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HDZ-77-202 NOT OPEN	HDZ-77-202	HDZ-77-202-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40001	8	NOT OPEN	OK						R		
4	76	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HDZ-77-202 NOT CLOSE	HDZ-77-202	HDZ-77-202-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40001	9	NOT CLOSE	OK						R		
4	77	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-201 PTC Protection	HFM-77-201	HFM-77-201-PTCP	ModBus TCP/IP	BOOL	DIGITAL		40001	10	FAULT	OK						R		
4	78	123A90-1724000049HV-PID-00040	Modbus TCP/IP	TSH/HH-77-201 Electrical heater Protection thermostate	TSH/HH-77-201	TSH/HH-77-201-TSPH	ModBus TCP/IP	BOOL	DIGITAL		40001	11	FAULT	OK						R		
4	79	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-201 TRIP SIGNAL	HFM-77-201	HFM-77-201-TRIP	ModBus TCP/IP	BOOL	DIGITAL		40001	12	FAULT	OK						R		
4	80	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-201 VSD MALFUNCTION	HFM-77-201	HFM-77-201-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40001	13	FAULT	OK						R		
4	81	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HSS-77-201 TRIP	HSS-77-201	HSS-77-201-TRP	ModBus TCP/IP	BOOL	DIGITAL		40001	14	FAULT	OK						R		
4	82	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HSS-77-201 MODULATION FAULT	HSS-77-201	HSS-77-201-MF	ModBus TCP/IP	BOOL	DIGITAL		40001	15	FAULT	OK						R		
4	83	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 AUX TRIP	HHU-77003	HHU-77003-ATRP	ModBus TCP/IP	BOOL	DIGITAL		40002	0	FAULT	OK						R		
4	84	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 MAIN BRAKER TRIP	HHU-77003	HHU-77003-MBTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	1	FAULT	OK						R		
4	85	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 NO FLOW	HHU-77003	HHU-77003-NF	ModBus TCP/IP	BOOL	DIGITAL		40002	2	FAULT	OK						R		
4	86	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-202 Ptc Protection	HFM-77-202	HFM-77-202-PTCP	ModBus TCP/IP	BOOL	DIGITAL		40002	3	FAULT	OK						R		
4	87	123A90-1724000049HV-PID-00040	Modbus TCP/IP	TSH/HH-77-202	TSH/HH-77-202	TSH/HH-77-202-TSPH	ModBus TCP/IP	BOOL	DIGITAL		40002	4	FAULT	OK						R		
4	88	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-202 trip	HFM-77-202	HFM-77-202-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	5	FAULT	OK						R		
4	89	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HFM-77-202 VSD Malfunction	HFM-77-202	HFM-77-202-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40002	6	FAULT	OK						R		
4	90	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HSS-77-202 trip	HSS-77-202	HSS-77-202-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	7	FAULT	OK						R		
4	91	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HSS-77-202 Modulation Fault	HSS-77-202	HSS-77-202-MF	ModBus TCP/IP	BOOL	DIGITAL		40002	8	FAULT	OK						R		
4	92	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 aux Trip	HHU-77004	HHU-77004-ATRP	ModBus TCP/IP	BOOL	DIGITAL		40002	9	FAULT	OK						R		
4	93	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 Main Braker Trip	HHU-77004	HHU-77004-MBTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	10	FAULT	OK						R		
4	94	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B200-HSB-001 Main Braker Trip	B200-HSB-001	B200-HSB-001-MBTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	11	FAULT	OK						R		
4	95	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B200-HSB-001 Module LIght Trip	B200-HSB-001	B200-HSB-001-MLTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	12	FAULT	OK						R		
4	96	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B200-HSB-001 Module Socket Trip	B200-HSB-001	B200-HSB-001-MSTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	13	FAULT	OK						R		
4	97	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B200-HSB-001 Aux Trip	B200-HSB-001	B200-HSB-001-ATRP	ModBus TCP/IP	BOOL	DIGITAL		40002	14	FAULT	OK						R		
4	98	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHS-77-004/5/6 Space heater Trip	HHS-77-004/5/6	HHS-77-004/5/6-SHTRP	ModBus TCP/IP	BOOL	DIGITAL		40002	15	FAULT	OK						R		
4	99	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHS-77-004/5/6 Fault	HSS-77-004/5/6	HHS-77-004/5/6-SHF	ModBus TCP/IP	BOOL	DIGITAL		40003	0	FAULT	OK						R		
4	100	123A90-1724000049HV-PID-00040	Modbus TCP/IP	77-TT-201 Fault	77-TT-201	77-TT-201-F	ModBus TCP/IP	BOOL	DIGITAL		40003	1	FAULT	OK						R		
4	101	123A90-1724000049HV-PID-00040	Modbus TCP/IP	77-TT-202 Fault	77-TT-202	77-TT-202-F	ModBus TCP/IP	BOOL	DIGITAL		40003	2	FAULT	OK						R		
4	102	123A90-1724000049HV-PID-00040	Modbus TCP/IP	77-TT-203 Fault	77-TT-203	77-TT-203-F	ModBus TCP/IP	BOOL	DIGITAL		40003	3	FAULT	OK						R		
4	103	123A90-1724000049HV-PID-00040	Modbus TCP/IP	77-TT-204 Fault	77-TT-201	77-TT-201-F	ModBus TCP/IP	BOOL	DIGITAL		40003	4	FAULT	OK						R		
4	104	123A90-1724000049HV-PID-00040	Modbus TCP/IP	77-PT-201 Fault	77-PT-201	77-PT-201-F	ModBus TCP/IP	BOOL	DIGITAL		40003	5	FAULT	OK						R		
4	105	123A90-1724000049HV-PID-00040	Modbus TCP/IP	MajorFault	B200-HSB-001	B200-HSB-001-MJF	ModBus TCP/IP	BOOL	DIGITAL		40003	6	FAULT	OK						R		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-WP4-2023-05	ROSETTI MARINO
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Rev	Item	P&ID	PLC I / O	Service Description	EQUIPMENT TAG	SIGNAL TAG	SIGNAL TYPE		SIGNAL TO PCS	MODBUS			STATUS		E.U.	RANGE				READ (R) WRITE (W)		Note
							PROTOCOL	TYPE		SLAVE ADDRESS	REGISTER	BIT NO.	HIGH - 1	LOW - 0		MIN		MAX				
4	106	123A90-1724000049HV-PID-00040	Modbus TCP/IP	Module Low Pressure	B200-HSB-001	B200-HSB-001-MLP	ModBus TCP/IP	BOOL	DIGITAL		40003	7	FAULT	OK						R		
4	107	123A90-1724000049HV-PID-00040	Modbus TCP/IP	ModBUS Fault	B200-HSB-001	B200-HSB-001-MODBUSF	ModBus TCP/IP	BOOL	DIGITAL		40003	8	FAULT	OK						R		
4	108	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 No Flow	HHU-77004	HHU-77004-NF	ModBus TCP/IP	BOOL	DIGITAL		40003	9	FAULT	OK						R		
4	109	123A90-1724000049HV-PID-00040	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40003	10										
4	110	123A90-1724000049HV-PID-00040	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40003	11										
4	111	123A90-1724000049HV-PID-00040	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40003	12										
4	112	123A90-1724000049HV-PID-00040	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40003	13										
4	113	123A90-1724000049HV-PID-00040	Modbus TCP/IP	ModBus Server Error	B200-HSB-001	B200-HSB-001-MSE	ModBus TCP/IP	BOOL	DIGITAL		40003	14	OK	FAULT						R		
4	114	123A90-1724000049HV-PID-00040	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40003	15								W		
4	115	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 Status	HHU-77003	HHU-77003-S	ModBus TCP/IP	INT	ANALOG		40004				NA					R		1=AVAILABLE 2=RUN 3=FAULT
4	116	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 Status	HHU-77004	HHU-77004-S	ModBus TCP/IP	INT	ANALOG		40005				NA					R		1=AVAILABLE 2=RUN 3=FAULT
4	117	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHS-77005/6/7 Status	HHS-77005/6/7	HHS-77005/6/7-S	ModBus TCP/IP	INT	ANALOG		40006				NA					R		1=AVAILABLE 2=RUN 3=FAULT
4	118	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B 200 Medium Internal Temperature	B200-HSB-001	B200-HSB-001-IT	ModBus TCP/IP	INT	ANALOG		40007				°C					R		DIVIDE THE NUMBER BY TEN TO GET THE CORRECT VALUE
4	119	123A90-1724000049HV-PID-00040	Modbus TCP/IP	B200 internal pressure	B200-HSB-001	B200-HSB-001-IP	ModBus TCP/IP	INT	ANALOG		40008				Pa					R		DIVIDE THE NUMBER BY TEN TO GET THE CORRECT VALUE
4	120	123A90-1724000049HV-PID-00040	Modbus TCP/IP	ModBus WatchDog	B200-HSB-001	B200-HSB-001-WD	ModBus TCP/IP	BOOL	DIGITAL		40009				NA					W		PULSATING HIGH/LOW SIGNAL WITH FREQUENCI UNDER 15S
4	121	123A90-1724000049HV-PID-00040	Modbus TCP/IP	System Start From PCS	B200-HSB-001	B200-HSB-001-SSTART	ModBus TCP/IP	BOOL	DIGITAL		40010		START	NONE	NA					W		SART SIGNAL FROM PCS
4	122	123A90-1724000049HV-PID-00040	Modbus TCP/IP	System Stop From PCS	B200-HSB-001	B200-HSB-001-SSTOP	ModBus TCP/IP	BOOL	DIGITAL		40011		STOP	NONE	NA					W		STOP SIGNAL FROM PCS
4	123	123A90-1724000049HV-PID-00040	Modbus TCP/IP	Resel Alarm From PCS	B200-HSB-001	B200-HSB-001-RA	ModBus TCP/IP	BOOL	DIGITAL		40012		RESET	NONE	NA					W		SIGNAL FOR RESET ALARM
4	124	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 Percentage of Capacity Utilisation	B200-HSB-001	B200-HSB-001-HFM1P	ModBus TCP/IP	INT	DIGITAL		40013		RESET	NONE	NA					W		
4	125	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 Percentage of Capacity Utilisation	B200-HSB-001	B200-HSB-001-HFM2P	ModBus TCP/IP	INT	DIGITAL		40014				NA					W		
5	126	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77003 SELECTOR STATUS	B200-HSB-001	B200-HSB-001-SS	ModBus TCP/IP	INT	ANALOG		40015				NA					R		1= AUTO 2= MANUAL 3=OFF
5	127	123A90-1724000049HV-PID-00040	Modbus TCP/IP	HHU-77004 SELECTOR STATUS	B200-HSB-001	B200-HSB-002-SS	ModBus TCP/IP	INT	ANALOG		40016				NA					R		1= AUTO 2= MANUAL 3=OFF