Base Load Power Hub (BLPH)

B-400 HVAC I/O LIST - E&I SHELTERS

Document Number:1724000049-HV-LIS-00054

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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3	Revision / Change Log	X	X	X	X	X	X		
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6	I/O List	X	X	X	X	X	X		
7	I/O List	X	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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CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-WP4-2023-05	ROSETTI MARINO
Document Titel:	B-400 HVAC IO LIST - E&I SHELTERS	Sh. 4 of 7 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-00042	I 0,0	SHUT DOWN	XC - 500 / 501	77-XS-004	B400-HSB-001	DI	SIS	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From SIS, Free voltage contact for HVAC system
3	2	123A90-1724000049HV-PID-00042	Q 0,0	HVAC CRITICAL FAULT	XC - 502 / 503	77XA-004	B400-HSB-001	DO	HVAC UCP	SIS	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		24 Vdc From HVAC & Lighting Panel, Free voltage contact for SIS system
3	4	123A90-1724000049HV-PID-00042	I 7,2	F&G DAMPER HDF-77012 CLOSE SIGNAL	XFD/S - 800 / 801	77-ZSL-012	HDF-77012	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-00042	I 7,4	F&G DAMPER HDF-77013 CLOSE SIGNAL	XFD/S - 804 / 805	77-ZSL-013	HDF-77013	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	6	123A90-1724000049HV-PID-00042	I 7,6	F&G DAMPER HDF-77014 CLOSE SIGNAL	XFD/S - 808 / 809	77-ZSL-014	HDF-77014	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	7	123A90-1724000049HV-PID-00042	I 8,1	F&G DAMPER HDF-77015 CLOSE SIGNAL	XFD/S - 812 / 813	77-ZSL-015	HDF-77015	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	8	123A90-1724000049HV-PID-00042	I 8,3	F&G DAMPER HDF-77016 CLOSE SIGNAL	XFD/S - 816 / 817	77-ZSL-016	HDF-77016	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	9	123A90-1724000049HV-PID-00042	I0,2	MAIN BRAKER TRIP			B400-HSB-001	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	10	123A90-1724000049HV-PID-00042	I0,3	AUTOMATIC MODE			HHU-77007	DI	HVAC UCP	HVAC UCP	NOT AUTOMATIC	AUTOMATIC	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	11	123A90-1724000049HV-PID-00042	I0,4	AUTOMATIC MODE			HHU-77008	DI	HVAC UCP	HVAC UCP	NOT AUTOMATIC	AUTOMATIC	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	12	123A90-1724000049HV-PID-00042	AI 0,0	TEMPERATURE TRASMITTER 1			77-TT-401	AI	77-TT-401	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20 Ma		
4	13	123A90-1724000049HV-PID-00042	AI 0,1	TEMPERATURE TRASMITTER 2			77-TT-402	AI	77-TT-402	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20 Ma		
4	14	123A90-1724000049HV-PID-00042	AI 0,2	DIFFERNTIAL PRESSURE TRASMITTER			77-PT-401	AI	77-PT-401	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20 Ma		
4	15	123A90-1724000049HV-PID-00042	AI 0,3	TEMPERATURE TRASMITTER 3			77-TT-403	AI	77-TT-403	HVAC UCP	-	-	-10	60	°C	-	-	-	-	-	-	-	4-20 Ma		
4	16	123A90-1724000049HV-PID-00042	AI 1,0	TEMPERATURE TRASMITTER 4			77-TT-404	AI	77-TT-404	HVAC UCP	-	-	0	500	Pa	-	-	-	-	-	-	-	4-20 Ma		
4	17	123A90-1724000049HV-PID-00042	I 0,5	PANEL EMERGENCY POWER BUTTON			HPB-77-403	DI	HPB-77-403	HVAC UCP	ALARM	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	18	123A90-1724000049HV-PID-00042	I 0,6	MODULE LIGHT TRIP			B400-HSB-001	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	19	123A90-1724000049HV-PID-00042	I 0,7	MODULE SOCKET TRIP			B400-HSB-001	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	20	123A90-1724000049HV-PID-00042	I 1,0	SPACE HEATER TRIP			HSS-77010/11/12	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	21	123A90-1724000049HV-PID-00042	I 1,1	SPACE HEATER START FEEDBACK			HSS-77010/11/12	DI	HVAC UCP	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	22	123A90-1724000049HV-PID-00042	Q0,2	SPACE HEATER ASTART COMMAND			HSS-77010/11/12	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24V DC		
4	23	123A90-1724000049HV-PID-00042	I 1,4	AUX SECTION TRIP			B400-HSB-001	DI	HVAC UCP	HVAC UCP	NORMAL	TRIP	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	24	123A90-1724000049HV-PID-00042	Q1,2	RESET CONTACT			B400-HSB-001	DO	HVAC UCP	HVAC UCP	NORMAL	RESET	-	-	-	-	-	-	-	-	-	-	24V DC		
4	25	123A90-1724000049HV-PID-00042	I 6,7	MANUAL MODE			HHU-77007	DI	HVAC UCP	HVAC UCP	NOT MANUAL	MANUAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	26	123A90-1724000049HV-PID-00042	I 7,0	MANUAL MODE			HHU-77008	DI	HVAC UCP	HVAC UCP	NOT MANUAL	MANUAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	27	123A90-1724000049HV-PID-00042	I 7,1	HFD-77012 OPEN SIGNAL		77-ZSH-012	HFD-77012	DI	HFD-77012	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	28	123A90-1724000049HV-PID-00042	I 7,2	HFD-77012 CLOSED SIGNAL		77-ZSL-012	HFD-77012	DI	HFD-77012	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	29	123A90-1724000049HV-PID-00042	I 7,3	HFD-77013 OPEN SIGNAL		77-ZSH-013	HFD-77013	DI	HFD-77013	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	30	123A90-1724000049HV-PID-00042	I 7,4	HFD-77013 CLOSED SIGNAL		77-ZSL-013	HFD-77013	DI	HFD-77013	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	31	123A90-1724000049HV-PID-00042	I 7,5	HFD-77014 OPEN SIGNAL		77-ZSH-014	HFD-77014	DI	HFD-77014	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	32	123A90-1724000049HV-PID-00042	I 7,6	HFD-77014 CLOSED SIGNAL		77-ZSL-014	HFD-77014	DI	HFD-77014	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	33	123A90-1724000049HV-PID-00042	I 8.0	HFD-77015 OPEN SIGNAL		77-ZSH-015	HFD-77015	DI	HFD-77015	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	34	123A90-1724000049HV-PID-00042	I 8.1	HFD-77015 CLOSED SIGNAL		77-ZSL-015	HFD-77015	DI	HFD-77015	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	35	123A90-1724000049HV-PID-00042	I 8.2	HFD-77016 OPEN SIGNAL		77-ZSH-016	HFD-77016	DI	HFD-77016	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	36	123A90-1724000049HV-PID-00042	I 8.3	HFD-77016 CLOSED SIGNAL		77-ZSL-016	HFD-77016	DI	HFD-77016	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	37	123A90-1724000049HV-PID-00042	I 9,7	TRIP SIGNAL HEATING CABLE			HHC-77-004	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	38			**UNIT A**																					
4	39	123A90-1724000049HV-PID-00042	Q0,4	HHU-77007 START			HHU-77007	DO	HVAC UCP	HVAC UCP	STOP	START	-	-	-	-	-	-	-	-	-	-	24V DC		
4	40	123A90-1724000049HV-PID-00042	I1,5	MOTORISED DAMPER NOT OPEN			HDZ-77-401/2/3	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	41	123A90-1724000049HV-PID-00042	I 1,6	MOTORISED DAMPER CLOSED			HDZ-77-401/2/3	DI	HHU-77007	HVAC UCP	NOT CLOSED	CLOSED	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	42	123A90-1724000049HV-PID-00042	I 1,7	MOTORISED DAMPER OPEN			HDZ-77-401/2/3	DI	HHU-77007	HVAC UCP	NOT OPEN	OPEN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	43	123A90-1724000049HV-PID-00042	Q 0,5	PRESSURIZING FAN UNIT HHU-77007 HEATER			HSS-77-403	DO	HHU-77007	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	24V DC		
4	44	123A90-1724000049HV-PID-00042	I 2,0	PRESSURIZING FAN UNIT HHU-77007 THERMIC PROTECTION			TE-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	45	123A90-1724000049HV-PID-00042	I 2,1	PRESSURIZING FAN UNIT HHU-77007 VSD MALFUNCTION			HFM-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	46	123A90-1724000049HV-PID-00042	AQ 0,0	PRESSURIZING FAN MODULATION			HFM-77-401	AO	HVAC UCP	HHU-77007			4	20mA	-	-	-	-	-	-	-	-	4-20mA		
4	47	123A90-1724000049HV-PID-00042	I 2,2	PRESSURISING FAN TRIP			HFM-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	48	123A90-1724000049HV-PID-00042	I 2,3	SUPPLY FAN RUN			HFM-77-402	DI	HHU-77007	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	49	123A90-1724000049HV-PID-00042	I 2,4	SUPPLY FAN BROKEN BELT ALARM			PDSL-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	50	123A90-1724000049HV-PID-00042	I 2,5	SUPPLY FAN TRIP			HFM-77-402	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	51	123A90-1724000049HV-PID-00042	Q 0,6	COMPRESSOR START			HCO-77-401	DO	HVAC UCP	HHU-77007	STOP	START	-	-	-	-	-	-	-	-	-	-	24V DC		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-WP4-2023-05	ROSETTI MARINO
Document Titel:	B-400 HVAC IO LIST - E&I SHELTERS	Sh. 5 of 7 28/01/2025 Rev: 5

Rev	Item	P&ID	PLC I / O	Service Description	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-00042	I 2,6	COMPRESSOR RUNNING	HCO-77-401	DI	HHU-77007	HVAC UCP	HHU-77007	HVAC UCP	STOP	RUN	-	-	-	-	-	-	-	-	VFC 24 Vdc		
4	53	123A90-1724000049HV-PID-00042	I 2,7	COMPRESSOR TRIP	HCO-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	54	123A90-1724000049HV-PID-00042	I 3,0	COMPRESSOR HIGH PRESSURE	PSH-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	55	123A90-1724000049HV-PID-00042	I 3,1	COMPRESSOR LOW PRESSURE	PSL-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	56	123A90-1724000049HV-PID-00042	I 3,2	CONDENSER FAN TRIP	HFM-77-405/6	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	57	123A90-1724000049HV-PID-00042	I 3,3	CONDENSER FAN VSD MALFUNCTION	HFM-77-405/6	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	58	123A90-1724000049HV-PID-00042	I 3,4	FILTER CLOGGED	PDSH-77-401	DI	HHU-77007	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	59	123A90-1724000049HV-PID-00042	I 3,5	ELECTRICAL HEATE RTHERMOSTATE TRIP	HSS-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	60	123A90-1724000049HV-PID-00042	I 3,6	ELECTRICAL HEATER TRIP	HSS-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	61	123A90-1724000049HV-PID-00042	AQ 0,2	ELECTRICAL HEATER MODULATION	HSS-77-401	AO	HVAC UCP	HVAC UCP	-	-	4	20mA									4-20mA		
4	62	123A90-1724000049HV-PID-00042	I 3,7	ELECTRICAL HEATER MODULATION FAULT	HSS-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	63	123A90-1724000049HV-PID-00042	I 4,0	EMERGENCY STOP BUTTON	HPB-77-401	DI	HHU-77007	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	64	123A90-1724000049HV-PID-00042	I 4,1	SECTION HHU-77007 MAIN BRAKER OPEN	B400-HSB-001	DI	HVAC UCP	HVAC UCP	TRIP	NORMAL	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	65	123A90-1724000049HV-PID-00042	I 0,1	PRESSURIZING FAN LOW PRESSURE	PDSL-77-402	DI	HHU-77007	HVAC UCP	NORMAL	CLOGGED											VFC 24 Vdc		
4	66			UNIT B																			-
4	67	123A90-1724000049HV-PID-00042	Q 0,7	HHU-77008 START	HHU-77008	DO	HHU-77008	HVAC UCP	STOP	START	-	-			-	-	-	-	-	-	24V DC		-
4	68	123A90-1724000049HV-PID-00042	I 4,2	MOTORISED DAMPER NOT OPEN	HDZ-77-404/5/6	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	69	123A90-1724000049HV-PID-00042	I 4,3	MOTORISED DAMPER CLOSED	HDZ-77-404/5/6	DI	HHU-77008	HVAC UCP	NOT CLOSED	CLOSED	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	70	123A90-1724000049HV-PID-00042	I 4,4	MOTORISED DAMPER OPEN	HDZ-77-404/5/6	DI	HHU-77008	HVAC UCP	NOT OPEN	OPEN	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	71	123A90-1724000049HV-PID-00042	Q 1,0	PRESSURIZING FAN UNIT HHU-77008 HEATER	HSS-77-407	DO	HHU-77008	HVAC UCP	STOP	RUN	-	-			-	-	-	-	-	-	24V DC		-
4	72	123A90-1724000049HV-PID-00042	I 4,5	PRESSURIZING FAN UNIT HHU-77008 THERMIC PROTECTION	TE-77-402	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	73	123A90-1724000049HV-PID-00042	I 4,6	PRESSURIZING FAN UNIT HHU-77008 VSD MALFUNCTION	HFM-77-403	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	74	123A90-1724000049HV-PID-00042	AQ 0,1	PRESSURIZING FAN MODULATION	HFM-77-403	AO	HVAC UCP	HHU-77008			4	20mA			-	-	-	-	-	-	4-20mA		-
4	75	123A90-1724000049HV-PID-00042	I 4,7	PRESSURISING FAN TRIP	HFM-77-403	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	76	123A90-1724000049HV-PID-00042	I 5,0	SUPPLY FAN RUN	HMF-77-404	DI	HHU-77008	HVAC UCP	STOP	RUN	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	77	123A90-1724000049HV-PID-00042	I 5,1	SUPPLY FAN BROKEN BELT ALARM	PDSL-77-402	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	78	123A90-1724000049HV-PID-00042	I 5,2	SUPPLY FAN TRIP	HMF-77-404	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	79	123A90-1724000049HV-PID-00042	Q 1,1	COMPRESSOR START	HCO-77-402	DO	HHU-77008	HVAC UCP	STOP	START	-	-			-	-	-	-	-	-	24V DC		-
4	80	123A90-1724000049HV-PID-00042	I 5,3	COMPRESSOR RUNNING	HCO-77-402	DI	HHU-77008	HVAC UCP	STOP	RUN	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	81	123A90-1724000049HV-PID-00042	I 5,4	COMPRESSOR TRIP	HCO-77-402	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	82	123A90-1724000049HV-PID-00042	I 5,5	COMPRESSOR HIGH PRESSURE	PSH-77-402	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	83	123A90-1724000049HV-PID-00042	I 5,6	COMPRESSOR LOW PRESSURE	PSL-77-402	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	84	123A90-1724000049HV-PID-00042	I 5,7	CONDENSER FAN TRIP	HFM-77-407/8	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-			-	-	-	-	-	-	VFC 24 Vdc		-
4	85	123A90-1724000049HV-PID-00042	I 6,0	CONDENSER FAN VSD MALFUNCTION	HFM-77-407/8	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	86	123A90-1724000049HV-PID-00042	I 6,1	FILTER CLOGGED	PDSH-77-403	DI	HHU-77008	HVAC UCP	NORMAL	FAULT	-	-									VFC 24 Vdc		
4	87	123A90-1724000049HV-PID-00042	I 6,2	ELECTRICAL HEATE RTHERMOSTATE TRIP	TSH/HH-77-402	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	88	123A90-1724000049HV-PID-00042	I 6,3	ELECTRICAL HEATER TRIP	HSS-77-405	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	89	123A90-1724000049HV-PID-00042	AQ 0,3	ELECTRICAL HEATER MODULATION	HSS-77-405	AO	HHU-77008	HVAC UCP	TRIP	NORMAL	4	20mA									4-20mA		
4	90	123A90-1724000049HV-PID-00042	I 6,4	ELECTRICAL HEATER MODULATION FAULT	HSS-77-405	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-									VFC 24 Vdc		
4	91	123A90-1724000049HV-PID-00042	I6,5	EMERGENCY STOP BUTTON	HPB-77-402	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	92	123A90-1724000049HV-PID-00042	I6,6	SECTION HHU-77008 MAIN BRAKER OPEN	B400-HSB-001	DI	HHU-77008	HVAC UCP	TRIP	NORMAL	-	-	-	-	-	-	-	-	-	-	VFC 24 Vdc		-
4	93	123A90-1724000049HV-PID-00042	I 7,7	PRESSURIZING FAN LOW PRESSURE	PDSL-77-404	DI	HHU-77008	HVAC UCP	NORMAL	CLOGGED	-	-									VFC 24 Vdc		

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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)	
							PROTOCOL	TYPE		SLAVE ADDRESS	REGISTER	BIT NO.	HIGH - 1	LOW - 0		MIN		MAX			
4	94	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40001	0								R	
4	95	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400-HSB-100 Main Braker Trip	B400-HSB-001	B400-HSB-001-MBT	ModBus TCP/IP	BOOL	DIGITAL		40001	1	TRIP	OK						R	
4	96	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400-HSB-100 Panel emergency Button	B400-HSB-001	B400-HSB-001-PEB	ModBus TCP/IP	BOOL	DIGITAL		40001	2	TRIP	OK						R	
4	97	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400-HSB-100 Module Light Trip	B400-HSB-001	B400-HSB-001-MLT	ModBus TCP/IP	BOOL	DIGITAL		40001	3	TRIP	OK						R	
4	98	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400-HSB-100 Module Socket Trip	B400-HSB-001	B400-HSB-001-MST	ModBus TCP/IP	BOOL	DIGITAL		40001	4	TRIP	OK						R	
4	99	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHS-77-0010/11/12 Space Heater Trip	HHS-77-0010/11/12	HHS-77-0010/11/12-TRP	ModBus TCP/IP	BOOL	DIGITAL		40001	5	TRIP	OK						R	
4	100	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400-HSB-100 Main Panel Aux Section Trip	B400-HSB-001	B400-HSB-001-ATRP	ModBus TCP/IP	BOOL	DIGITAL		40001	6	TRIP	OK						R	
4	101	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHS-77-0010/11/12 Space Heater Fault	HHS-77-0010/11/12	HHS-77-0010/11/12-F	ModBus TCP/IP	BOOL	DIGITAL		40001	7	TRIP	OK						R	
4	102	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 Press Fan Low Pressure	HHU-77007	HHU-77007-PFFC	ModBus TCP/IP	BOOL	DIGITAL		40001	8	TRIP	OK						R	
4	103	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 motorised dampers Fault	HHU-77007	HHU-77007-MDF	ModBus TCP/IP	BOOL	DIGITAL		40001	9	TRIP	OK						R	-
4	104	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 press fan PTC protection	HFM-77-401	HFM-77-401-PTCP	ModBus TCP/IP	BOOL	DIGITAL		40001	10	TRIP	OK						R	-
4	105	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 press fan VSD fault	HFM-77-401	HFM-77-401-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40001	11	TRIP	OK						R	-
4	106	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 press fan trip	HFM-77-401	HFM-77-401-TRP	ModBus TCP/IP	BOOL	DIGITAL		40001	12	TRIP	OK						R	-
4	107	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 broken belt alarm	HFM-77-402	HFM-77-402-BBA	ModBus TCP/IP	BOOL	DIGITAL		40001	13	TRIP	OK						R	-
4	108	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 supply fan trip	HFM-77-402	HFM-77-402-TRP	ModBus TCP/IP	BOOL	DIGITAL		40001	14	TRIP	OK						R	-
4	109	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 compressor trip	HCO-77-401	HCO-77-401-TRP	ModBus TCP/IP	BOOL	DIGITAL		40001	15	TRIP	OK						R	-
4	110	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 high pressure alarm	HCO-77-401	HCO-77-401-HPA	ModBus TCP/IP	BOOL	DIGITAL		40002	0	TRIP	OK						R	-
4	111	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 low pressure alarm	HCO-77-401	HCO-77-401-LPA	ModBus TCP/IP	BOOL	DIGITAL		40002	1	TRIP	OK						R	-
4	112	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 condenser fan trip	HFM-77-405/406	HFM-77-405/406-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	2	TRIP	OK						R	-
4	113	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 condenser fan VSD fault	HFM-77-405/406	HFM-77-405/406-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40002	3	TRIP	OK						R	-
4	114	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 electrical heater Protection thermostate	HSS-77-401	HSS-77-401-TSPH	ModBus TCP/IP	BOOL	DIGITAL		40002	4	TRIP	OK						R	-
4	115	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 electrical heater trip	HSS-77-401	HSS-77-401-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	5	TRIP	OK						R	-
4	116	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 electrical heater modulation fault	HSS-77-401	HSS-77-401-MF	ModBus TCP/IP	BOOL	DIGITAL		40002	6	TRIP	OK						R	-
4	117	123A90-1724000049HV-PID-00042	Modbus TCP/IP	Spare			ModBus TCP/IP	BOOL	DIGITAL		40002	7								R	-
4	118	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 main braker open	HHU-77007	HHU-77007-MBT	ModBus TCP/IP	BOOL	DIGITAL		40002	8	TRIP	OK						R	-
4	119	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 filter clogged	HHU-77007	HHU-77007-FC	ModBus TCP/IP	BOOL	DIGITAL		40002	9	CLOGGED	OK						R	-
4	120	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 motorise dampers fault	HHU-77008	HHU-77008-MDF	ModBus TCP/IP	BOOL	DIGITAL		40002	10	TRIP	OK						R	-
4	121	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 press fan PTC protection	HFM-77-403	HFM-77-403-PTCP	ModBus TCP/IP	BOOL	DIGITAL		40002	11	TRIP	OK						R	-
4	122	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 press fan VSD fault	HFM-77-403	HFM-77-403-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40002	12	TRIP	OK						R	
4	123	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 press fan trip	HFM-77-403	HFM-77-403-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	13	TRIP	OK						R	
4	124	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 broken belt alarm	HFM-77-404	HFM-77-404-BBA	ModBus TCP/IP	BOOL	DIGITAL		40002	14	TRIP	OK						R	
4	125	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 supply fan trip	HFM-77-404	HFM-77-404-TRP	ModBus TCP/IP	BOOL	DIGITAL		40002	15	TRIP	OK						R	
4	126	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 compressor trip	HCO-77-402	HCO-77-402-TRP	ModBus TCP/IP	BOOL	DIGITAL		40003	0	TRIP	OK						R	
4	127	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 high pressure alarm	HCO-77-402	HCO-77-402-HPA	ModBus TCP/IP	BOOL	DIGITAL		40003	1	TRIP	OK						R	
4	128	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 low pressure alarm	HCO-77-402	HCO-77-402-LPA	ModBus TCP/IP	BOOL	DIGITAL		40003	2	TRIP	OK						R	-
4	129	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 condenser fan trip	HFM-77-407/408	HFM-77-407/408-TRP	ModBus TCP/IP	BOOL	DIGITAL		40003	3	TRIP	OK						R	-
4	130	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 condenser fan VSD fault	HFM-77-407/408	HFM-77-407/408-VSDF	ModBus TCP/IP	BOOL	DIGITAL		40003	4	TRIP	OK						R	
4	131	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 filter clogged	HHU-77008	HHU-77008-FC	ModBus TCP/IP	BOOL	DIGITAL		40003	5	CLOGGED	OK						R	
4	132	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 electrical heater Protection termostate	HSS-77-405	HSS-77-405-TSPH	ModBus TCP/IP	BOOL	DIGITAL		40003	6	TRIP	OK						R	
4	133	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 electrical heater trip	HSS-77-405	HSS-77-405-TRP	ModBus TCP/IP	BOOL	DIGITAL		40003	7	TRIP	OK						R	
4	134	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 electrical heater modulation fault	HSS-77-405	HSS-77-405-MF	ModBus TCP/IP	BOOL	DIGITAL		40003	8	TRIP	OK						R	
4	135	123A90-1724000049HV-PID-00042	Modbus TCP/IP	Spare			ModBus TCP/IP	BOOL	DIGITAL		40003	9								R	
4	136	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 main braker trip	HHU-77008	HHU-77008-MBTRP	ModBus TCP/IP	BOOL	DIGITAL		40003	10	TRIP	OK						R	
4	137	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77012 Not Close	HFD-77012	HFD-77012-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40003	11	FAULT	OK						R	
4	138	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77012 Not Open	HFD-77012	HFD-77012-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40003	12	FAULT	OK						R	
4	139	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77013 Not Close	HFD-77013	HFD-77013-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40003	13	FAULT	OK						R	
4	140	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77013 Not Open	HFD-77013	HFD-77013-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40003	14	FAULT	OK						R	

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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)	
							PROTOCOL	TYPE		SLAVE ADDRESS	REGISTER	BIT NO.	HIGH - 1	LOW - 0		MIN		MAX			
4	141	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77014 Not Close	HFD-77014	HFD-77014-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40003	15	FAULT	OK						R	
4	142	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77014 Not Open	HFD-77014	HFD-77014-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40004	0	FAULT	OK						R	
4	143	123A90-1724000049HV-PID-00042	Modbus TCP/IP	Modbus Server Error	B400-HSB-001	B400-HSB-001-MSE	ModBus TCP/IP	BOOL	DIGITAL		40004	1	FAULT	OK						R	
4	144	123A90-1724000049HV-PID-00042	Modbus TCP/IP	ModbusFault	B400-HSB-001	B400-HSB-001-MODBUSF	ModBus TCP/IP	BOOL	DIGITAL		40004	2	FAULT	OK						R	
4	145	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 press fan Low Pressure	HHU-77008	HHU-77008-PFFC	ModBus TCP/IP	BOOL	DIGITAL		40004	3	FAULT	OK						R	
4	146	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77015 Not Close	HFD-77015	HFD-77015-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40004	4	FAULT	OK						R	
4	147	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77015 Not Open	HFD-77015	HFD-77015-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40004	5	FAULT	OK						R	
4	148	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77016 Not Close	HFD-77016	HFD-77016-ZSL	ModBus TCP/IP	BOOL	DIGITAL		40004	6	FAULT	OK						R	
4	149	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFD-77016 Not Open	HFD-77016	HFD-77016-ZSH	ModBus TCP/IP	BOOL	DIGITAL		40004	7	FAULT	OK						R	
4	150	123A90-1724000049HV-PID-00042	Modbus TCP/IP	77-TT-401 Fault	77-TT-401	77-TT-401-F	ModBus TCP/IP	BOOL	DIGITAL		40004	8	FAULT	OK						R	
4	151	123A90-1724000049HV-PID-00042	Modbus TCP/IP	77-TT-402 Fault	77-TT-402	77-TT-402-F	ModBus TCP/IP	BOOL	DIGITAL		40004	9	FAULT	OK						R	
4	152	123A90-1724000049HV-PID-00042	Modbus TCP/IP	77-TT-403 Fault	77-TT-403	77-TT-403-F	ModBus TCP/IP	BOOL	DIGITAL		40004	10	FAULT	OK						R	
4	153	123A90-1724000049HV-PID-00042	Modbus TCP/IP	77-TT-404 Fault	77-TT-404	77-TT-404-F	ModBus TCP/IP	BOOL	DIGITAL		40004	11	FAULT	OK						R	
4	154	123A90-1724000049HV-PID-00042	Modbus TCP/IP	77-PT-401 Fault	77-PT-401	77-PT-401-F	ModBus TCP/IP	BOOL	DIGITAL		40004	12	FAULT	OK						R	
4	155	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40004	13								R	
4	156	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40004	14								R	
4	157	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40004	15								R	
4	158	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	0								R	
4	159	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	1								R	
4	160	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	2								R	
4	161	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	3								R	
4	162	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	4								R	
4	163	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	5								R	
4	164	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	6								R	
4	165	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	7								R	
4	166	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	8								R	
4	167	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HVAC System Major Fault	B400-HSB-001	B400-HSB-001-MF	ModBus TCP/IP	BOOL	DIGITAL		40005	9	FAULT	OK						R	
4	168	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	10								R	
4	169	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	11								R	
4	170	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	12								R	
4	171	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	13								R	
4	172	123A90-1724000049HV-PID-00042	Modbus TCP/IP	SPARE			ModBus TCP/IP	BOOL	DIGITAL		40005	14								R	
4	173	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 STATUS	HHU-77007	HHU-77007-S	ModBus TCP/IP	INT	DIGITAL		40006				NA					R	1=AVAILABLE 2=RUN 3=FAULT
4	174	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 STATUS	HHU-77008	HHU-77008-S	ModBus TCP/IP	INT	DIGITAL		40007				NA					R	1=AVAILABLE 2=RUN 3=FAULT
4	175	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHS-77-0010/11/12 STATUS	HHS-77-0010/11/12	HHS-77-0010/11/12-S	ModBus TCP/IP	INT	DIGITAL		40008				NA					R	1=AVAILABLE 2=RUN 3=FAULT
4	176	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400 Medium Internal Temperature	B400-HSB-001	B400-HSB-001-MT	ModBus TCP/IP	INT	DIGITAL		40009				°C					R	DIVIDE THE NUMBER BY TEN TO GET THE CORRECT VALUE
4	177	123A90-1724000049HV-PID-00042	Modbus TCP/IP	System Start From PCS	B400-HSB-001	B400-HSB-001-SSTART	ModBus TCP/IP	BOOL	DIGITAL		400010		START	NONE	NA					W	SART SIGNAL FROM PCS
4	178	123A90-1724000049HV-PID-00042	Modbus TCP/IP	System Stop From PCS	B400-HSB-001	B400-HSB-001-SSTOP	ModBus TCP/IP	BOOL	DIGITAL		400011		STOP	NONE	Pa					W	STOP SIGNAL FROM PCS
4	179	123A90-1724000049HV-PID-00042	Modbus TCP/IP	B400 Internal Pressure	B400-HSB-001	B400-HSB-001-MP	ModBus TCP/IP	INT	DIGITAL		40012				NA					R	DIVIDE THE NUMBER BY TEN TO GET THE CORRECT VALUE
4	180	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFM-77-401 Percentage of capacity Utilisation	B400-HSB-001	B400-HSB-001-HFM1P	ModBus TCP/IP	INT	DIGITAL		40013				NA					R	
4	181	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HFM-77-403 Percentage of capacity Utilisation	B400-HSB-001	B400-HSB-001-HFM2P	ModBus TCP/IP	INT	DIGITAL		40014				NA					R	
4	182	123A90-1724000049HV-PID-00042	Modbus TCP/IP	System Reset Fault	B400-HSB-001	B300-HSB-001-SR	ModBus TCP/IP	BOOL	DIGITAL		40015		RESET	NONE	NA					W	SIGNAL FOR RESET ALARM
4	183	123A90-1724000049HV-PID-00042	Modbus TCP/IP	WatchDog	B400-HSB-001	B300-HSB-001-WD	ModBus TCP/IP	BOOL	DIGITAL		40016				NA					W	PULSATING HIGH/LOW SIGNAL WITH FREQUENCI UNDER 15S
5	184	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77007 SELECTOR STATUS	B400-HSB-001	B400-HSB-001-SS	ModBus TCP/IP	INT	ANALOG		40017				NA					R	1= AUTO 2= MANUAL 3=OFF
5	185	123A90-1724000049HV-PID-00042	Modbus TCP/IP	HHU-77008 SELECTOR STATUS	B400-HSB-001	B400-HSB-002-SS	ModBus TCP/IP	INT	ANALOG		40018				NA					R	1= AUTO 2= MANUAL 3=OFF