Base Load Power Hub (BLPH)

INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)

SPARE PART INDEX REGISTER (COMMISSIONING AND 2-YEARs OPERATION)

Document Number: 1724000594-COM-LIS-00039

Document Class: 2

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ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list					
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract	
					CW-I-WP4-2023-05	
Project ID	123A90A	Doc. n°	1724000594-COM-LIS-00039	Rev. Issued for review	Rev. Date 30-Aug-24	Status IFR / Class 2

The equipment consists of the following units/components

1	Tag no.	B400-PCS-001/002	B400-SIS-001	B400-FGS-001/002/003	B400-EMCS-001	B400-NET-001	HKN-WPO1-BLPH-NET-01	
2	Tag description	DCS System	ESD System	FGS System	EMCS System	Networking / HMI	Networking / HMI	
3	Manufacturer model/type no.	Centum VP	ProSAFE	ProSAFE	AXION	Miscellaneous	Miscellaneous	
4	Manufacturer serial no.	Centum VP	ProSAFE	ProSAFE	AXION	-	-	
5	No. of units	1	1	1	1	1	1	
6	Quantity of parts FITTED / INSTALLED per unit/component							

Supplier: YOKOGAWA ITALIA SRL | PO Number: 1724000594 | PO description: ICSS | Contact name: Sonia Corradi (PM)

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General Information:

Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Suppler part no.	Manufacturer part no.	Manufacturername	Commissioning spares	2 Years spares	Remarks
			Project Datasheet no.	Project Detail dwg. no.	Item ref.															Quantity ordered	Quantity ordered	
7	8		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	4	Vnet/IP Interface Card for HIS	GS 33J50C10-01EN	1724000594-IN-DG-00016													VI702	VI702	YOKOGAWA	1	1	
2	8	Analog Input Module(FIO)	GS 33J60F60-01EN	1724000594-IN-DA-00009													AAI143-H53/A4D00	AAI143-H53/A4D00	YOKOGAWA	1	1	
3	4	Analog Output Module(FIO)	GS 33J60F60-01EN	1724000594-IN-DA-00009													AAI543-H61/K4A00	AAI543-H61/K4A00	YOKOGAWA	1	1	
4	8	Digital Input Module(FIO)	GS 33J60F70-01EN	1724000594-IN-DA-00009													ADV151-P63/D5A00	ADV151-P63/D5A00	YOKOGAWA	1	1	
5	2	Digital Output Module(FIO)	GS 33J60F70-01EN	1724000594-IN-DA-00009													ADV551-P53/D5A00	ADV551-P53/D5A00	YOKOGAWA	1	1	
6	2	ESB Bus Coupler Module	GS 33J60E50-01EN	1724000594-IN-DA-00009													EC401-51	EC401-51	YOKOGAWA	1	1	
7	6	Terminal Board for Analog	GS 33J60H51-01EN	1724000594-IN-DA-00009													A1BA4D-06	A1BA4D-06	YOKOGAWA	1	1	
8	5	Terminal Board for Digital	GS 33J60H51-01EN	1724000594-IN-DA-00009													A1BD5D-06	A1BD5D-06	YOKOGAWA	1	1	
9	2	Processor Module	GS 33J60E30-01EN	1724000594-IN-DA-00009													CP471-01	CP471-01	YOKOGAWA	1	1	
10	10	220-240V AC Input Power Supply Module	GS 33J60E70-01EN	1724000594-IN-DA-00009													PW482-51	PW482-51	YOKOGAWA	1	1	
11	1	Ethernet Communication Module (Modbus TCP/IP)	GS 33J60G11-01EN	1724000594-IN-DA-00009													ALE111-S51	ALE111-S51	YOKOGAWA	1		
12	1	PROFINET Communication Module	GS 33J60G90-01EN	1724000594-IN-DA-00009													A2LP131-S01	A2LP131-S01	YOKOGAWA	1		
13	20	Analog Input Module (4-20mA,16-ch)	GS 32Q06K30-31E	1724000594-IN-DA-00010													SAI143-H63	SAI143-H63	YOKOGAWA	1	1	
14	22	Digital Input Module (16-ch,24V DC)	GS 32Q06K40-31E	1724000594-IN-DA-00010													SDV144-S63	SDV144-S63	YOKOGAWA	1	1	
15	20	Digital Output Module (16-ch,24V DC)	GS 32Q06K40-31E	1724000594-IN-DA-00010													SDV541-S63	SDV541-S63	YOKOGAWA	1	1	
16	4	ESB Bus Coupler Module	GS 32Q06L11-31E	1724000594-IN-DA-00010													SEC401-51	SEC401-51	YOKOGAWA	1	1	
17	7	TB for Analog DIN mount type	GS 32Q06L20-31E	1724000594-IN-DA-00010													SBA4D-06	SBA4D-06	YOKOGAWA	1	1	
18	21	TB for SDV144/541/L1DV144/541 DIN type	GS 32Q06L20-31E	1724000594-IN-DA-00010													SBD4D-06	SBD4D-06	YOKOGAWA	1	1	
19	4	Processor Module	GS 32P06D20-01EN	1724000594-IN-DA-00010													S2CP471-01	S2CP471-01	YOKOGAWA	1	1	
20	18	220-240V AC Input Power Supply Module	GS 32P06D20-01EN	1724000594-IN-DA-00010													SPW482-53	SPW482-53	YOKOGAWA	1	1	
21	13	Wiring Check Adapter (open circuit) - 8 per set	GS 32Q06K40-31E	1724000594-IN-DG-00021													SCB100-S0	SCB100-S0	YOKOGAWA	1	1	
22	13	Wiring Check Adapter (short-circuited) - 8 per set	GS 32Q06K40-31E	1724000594-IN-DG-00021													SCB110-S0	SCB110-S0	YOKOGAWA	1	1	
23	4	Dell LCD 24inch, 16:9, resolution: 1920x1080	dell-p2422h-monitor	1724000594-IN-DD-00015													P2422H	P2422H	DELL		1	
24	3	FortiGate Firewall with 12x GE RJ45 ports	fortigate-fortiwifi-40f-series	1724000594-IN-DD-00015													FG-100 F	FG-100F	FORTINET		1	
25	2	FortiGate Firewall with 4x GE RJ45 ports - DCS / SIS	fortigate-100f-series	1724000594-IN-DD-00015													FG-40 F	FG-40F	FORTINET		1	
26	5	FortiGate Firewall with 6x GE RJ45 ports, 2 x GE RJ45/SFP Shared Media Ports	fortigate-fortiwifi-80f-series	1724000594-IN-DD-00015													FG-80 F	FG-180F	FORTINET		1	
27	9	Managed Switch L2, Hirschmann, 8 port Gb, 4x SFP	BRS40_Product	1724000594-IN-DD-00015													BRS40-0012OOOO-EFCY99HHSEAXX.X.XX	BRS40-0012OOOO	HIRSCHMANN		1	
28	8	Managed Switch L2, Hirschmann, 20 port Gb, 4x SFP	BRS40_Product	1724000594-IN-DD-00015													BRS40-0024OOOO-SFCY99HHSEAXX.X.XX	BRS40-0012OOOO	HIRSCHMANN		1	
29	1	Managed Switch L2, Hirschmann, 16 port Gb - For Third Party	BRS40_Product	1724000594-IN-DD-00015													BRS40-00169999-SFCY99HHSPAXX.X.XX	BRS40-0012OOOO	HIRSCHMANN		1	
30	5	L2 Switch 24 Port (Vnet/IP) AC Red.	GS 30A10B10-01EN	1724000594-IN-DG-00016													GRV3W-B52FE	GRV3W-B52FE	HIRSCHMANN/YOKOGAWA		2	
31	2	RTAC	2241_DS_20221221	1724000594-IN-DA-00013													SEL-2241	SEL-2241	SEL	1		
32	2	Power Coupler	2243_DS_20230712	1724000594-IN-DA-00013													SEL-2243	SEL-2243	SEL	1	1	
33	2	DC Analog Input Module	2245-2_DS_20230119	1724000594-IN-DA-00013													SEL-2245-2	SEL-2245-2	SEL	1	1	
34	2	DC Digital Input Module	2244_DS_20221221	1724000594-IN-DA-00013													SEL-2244-2	SEL-2244-2	SEL	1	1	
35	2	Digital Output Module	2244_DS_20221221	1724000594-IN-DA-00013													SEL-2244-3	SEL-2244-3	SEL	1	1	
36	2	DC Analog Output Module	2245-3_DS_20221221	1724000594-IN-DA-00013													SEL-2245-3	SEL-2245-3	SEL	1	1	
37																						
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