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.: Accepted for Construction	Rev. Date: 22-Jul-25	Status: AFC / 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	

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

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General Information:

6 — Quantity of parts FITTED / INSTALLED per unit/component

Centum VP	ProSAFE	ProSAFE	AXION	-	-	Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref. Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certificate Type (if applicable)	Certificate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
						7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
4						1	4	Vnet/IP Interface Card for HIS	GS 33J50C10-01EN	1724000594-IN-DG-00016													VI702	VI702	YOKOGAWA	1	1	
8						2	8	Analog Input Module(FIO)	GS 33J60F60-01EN	1724000594-IN-DA-00009													AAI143-H53/A4D00	AAI143-H53/A4D00	YOKOGAWA	1	1	
4						3	4	Analog Output Module(FIO)	GS 33J60F60-01EN	1724000594-IN-DA-00009													AAI543-H61/K4A00	AAI543-H61/K4A00	YOKOGAWA	1	1	
8						4	8	Digital Input Module(FIO)	GS 33J60F70-01EN	1724000594-IN-DA-00009													ADV151-P63/D5A00	ADV151-P63/D5A00	YOKOGAWA	1	1	
2						5	2	Digital Output Module(FIO)	GS 33J60F70-01EN	1724000594-IN-DA-00009													ADV551-P53/D5A00	ADV551-P53/D5A00	YOKOGAWA	1	1	
2						6	2	ESB Bus Coupler Module	GS 33J60E50-01EN	1724000594-IN-DA-00009													EC401-51	EC401-51	YOKOGAWA	1	1	
6						7	6	Terminal Board for Analog	GS 33J60H51-01EN	1724000594-IN-DA-00009													A1BA4D-06	A1BA4D-06	YOKOGAWA	1	1	
5						8	5	Terminal Board for Digital	GS 33J60H51-01EN	1724000594-IN-DA-00009													A1BD5D-06	A1BD5D-06	YOKOGAWA	1	1	
2						9	2	Processor Module	GS 33J60E30-01EN	1724000594-IN-DA-00009													CP471-01	CP471-01	YOKOGAWA	1	1	
10						10	10	220-240V AC Input Power Supply Module	GS 33J60E70-01EN	1724000594-IN-DA-00009													PW482-51	PW482-51	YOKOGAWA	1	1	
1						11	1	Ethernet Communication Module (Modbus TCP/IP)	GS 33J60G11-01EN	1724000594-IN-DA-00009													ALE111-S51	ALE111-S51	YOKOGAWA	1		
1						12	1	PROFINET Communication Module	GS 33J60G90-01EN	1724000594-IN-DA-00009													A2LP131-S01	A2LP131-S01	YOKOGAWA		1	
	2	18				13	20	Analog Input Module (4-20mA,16-ch)	GS 32Q06K30-31E	1724000594-IN-DA-00010													SAI143-H63	SAI143-H63	YOKOGAWA	1	1	
	10	12				14	22	Digital Input Module (16-ch,24V DC)	GS 32Q06K40-31E	1724000594-IN-DA-00010													SDV144-S63	SDV144-S63	YOKOGAWA	1	1	
	8	12				15	20	Digital Output Module (16-ch,24V DC)	GS 32Q06K40-31E	1724000594-IN-DA-00010													SDV541-S63	SDV541-S63	YOKOGAWA	1	1	
	2	2				16	4	ESB Bus Coupler Module	GS 32Q06L11-31E	1724000594-IN-DA-00010													SEC401-51	SEC401-51	YOKOGAWA	1	1	
	1	6				17	7	TB for Analog DIN mount type	GS 32Q06L20-31E	1724000594-IN-DA-00010													SBA4D-06	SBA4D-06	YOKOGAWA	1	1	
	9	12				18	21	TB for SDV144/541/L1DV144/541 DIN type	GS 32Q06L20-31E	1724000594-IN-DA-00010													SBD4D-06	SBD4D-06	YOKOGAWA	1	1	
	2	2				19	4	Processor Module	GS 32P06D20-01EN	1724000594-IN-DA-00010													S2CP471-01	S2CP471-01	YOKOGAWA	1	1	
	6	12				20	18	220-240V AC Input Power Supply Module	GS 32P06D20-01EN	1724000594-IN-DA-00010													SPW482-53	SPW482-53	YOKOGAWA	1	1	
	4	9				21	13	Wiring Check Adapter (open circuit) - 8 per set	GS 32Q06K40-31E	1724000594-IN-DG-00021													SCB100-S0	SCB100-S0	YOKOGAWA	1	1	
	4	9				22	13	Wiring Check Adapter (short-circuited) - 8 per set	GS 32Q06K40-31E	1724000594-IN-DG-00021													SCB110-S0	SCB110-S0	YOKOGAWA	1	1	
					2	23	2	Dell LCD 24inch, 16:9, resolution: 1920x1080	dell-p2425h-monitor	1724000594-IN-DD-00015													P2425H	P2425H	DELL		1	
				2		24	2	FortiGate Firewall with 12x GE RJ45 ports	fortigate-100f-series	1724000594-IN-DD-00015													FG-100 F	FG-100F	FORTINET		1	
				2		25	2	FortiGate Firewall with 4x GE RJ45 ports - DCS / SIS	fortigate-fortiwifi-40f-series	1724000594-IN-DD-00015													FG-40 F	FG-40F	FORTINET		1	
				2	4	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	
				4	4	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	
				5	2	28	8	Managed Switch L2, Hirschmann, 24 port Gb, 4x SFP	BRS40_Product	1724000594-IN-DD-00015													BRS40-0024OOOO-SFCY99HHSEAXX.X.XX	BRS40-0012OOOO	HIRSCHMANN		1	
				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	
				4		30	5	L2 Switch 24 Port (Vnet/IP) AC Red.	GS 30A108D-01EN	1724000594-IN-DG-00016													GRVSW-652FE	GRVSW-652FE	HIRSCHMANN/YOKOGAWA		1	
			2			31	2	RTAC	2241_DS_20221221	1724000594-IN-DA-00013													SEL-2241	SEL-2241	SEL	1		
			2			32	2	Power Coupler	2243_DS_20230712	1724000594-IN-DA-00013													SEL-2243	SEL-2243	SEL	1	1	
			2			33	2	DC Analog Input Module	2245-2_DS_20230119	1724000594-IN-DA-00013													SEL-2245-2	SEL-2245-2	SEL	1	1	
			2			34	2	DC Digital Input Module	2244_DS_20221221	1724000594-IN-DA-00013													SEL-2244-2	SEL-2244-2	SEL	1	1	
			2			35	2	Digital Output Module	2244_DS_20221221	1724000594-IN-DA-00013													SEL-2244-3	SEL-2244-3	SEL	1	1	
			2			36	2	DC Analog Output Module	2245-3_DS_20221221	1724000594-IN-DA-00013													SEL-2245-3	SEL-2245-3	SEL	1	1	
					2	37	2	SFP Fiberoptic Gigabit Ethernet Transceiver SM	MSFPLXLC_techdata-3103387	1724000594-IN-DG-00016													M-SFP-LX/LC	M-SFP-LX/LC	Hirschmann		1	
					4	38	4	SFP, EZX, BIDI, 1490/1550, 1G, 120km, SMF/LC	PRE-SFP-B4554-120I-DS-061224	1724000594-IN-DG-00016													PRE-SFP-B45-120-MSA	PRE-SFP-B45-120-MSA	Elpack		1	
					4	39	4	SFP, EZX, BIDI, 1490/1550, 1G, 120km, SMF/LC	PRE-SFP-B4554-120I-DS-061224	1724000594-IN-DG-00016													PRE-SFP-B54-120-MSA	PRE-SFP-B54-120-MSA	Elpack		1	
				4		40	4	SFP Fiberoptic Gigabit Ethernet Transceiver MM	A700000008840415	1724000594-IN-DG-00016													FAST SFP-MM/LC	FAST SFP-MM/LC	Hirschmann		1	
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