Base Load Power Hub (BLPH)

SPARE PART INDEX REGISTER
(COMMISSIONING AND OPERATION)

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
Luca Mocenle	03/09/2024

mber: 1723002197-COM-LIS-00052

Document Class: 3

Rev.	Date	Description	Prepared	Reviewed	Approved
3	08/08/2024	Issue for Information (IFI)	Del Federico	Flamminio	Santinelli
2	01/08/2024	Issue for Information (IFI)	Del Federico	Flamminio	Santinelli
1	24/07/2024	Issue for Information (IFI)	Del Federico	Flamminio	Santinelli
0	24/04/2024	Issue for Information (IFI)	Giulietti	Flamminio	Santinelli

IMESA ELECTRICAL ENGINEERING IMESA Doc. 231115/SD/052

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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)

HOLDS LIST

No.	Description
1	
2	
3	
4	

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ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	SPARE PART INDEX REGISTER (COMMISSIONING AND OPERATION)
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)
Project ID	123A90
Doc. n°	1723002197-COM-LIS-00052
Rev. Issued for review	
Rev. Date	08-Aug-24
Contract	CW-I-WP4-2023-05
Status	IFR
Class	3

The equipment consists of the following units/components

1	Tag no.	SG-10.01 1	SG-20.N 1	SG-20.02	DP-20.N 1
2	Tag description	HV SWBD 6.6kV	LV SWBD 400/230V	LV SWBD 400/230V	LV SWBD 400/230V
3	Manufacturer model/type no.	Mmser P.	PC/MCC	PC	MCC/P
4	Manufacturer serial no.	2311157/S1/Q10/2024	2311287/S1/Q40/2024	2311287/S1/Q70/2024	2311287/S1/Q80/2024
5	No. of units	1	1	1	1

Supplier:	IMESA S.p.A	PO Number:	1723002197_123A90
Address:	via G. di Vittorio, 14 JESI - (AN) ITALY		

PO description:	HV and LV Switchgears
Supplier telephone no:	+39 0731 211034
E-mail:	spareparts@imesaspa.com damiano.santinelli@imesaspa.com

Contact name:	Mr. Damiano Santinelli
Contact mobile no:	+39 0731 649242
WEBSITE	

General Information:

Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Conicuse Type (if applicable)	Conicuse Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECSS Code	% US Content	Country of origin	Supplier 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	
		MATERIALS DATA																				
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	6,00	REX640 GENERAL PURPOSE CODE																MP02000001VCF698331R0001	1VCF698331R0001	ABB PT			
2	6,00	ACCESSORY FOR REX640 - 2RCA033008A0001 - SCHERMO A COLORI TOUCH																MP02000001VCF698331R0002	1VCF698331R0002	ABB PT			
3	6,00	ACCESSORY FOR REX640 - 1MRS120549-3 - LHMI CABLE 3mt																MP02000001VCF698331R0012	1VCF698331R0012	ABB PT			
4	3,00	UMK-R4/5.5/BPTDA VARIOFACE MODULE																MP02000002900682	2900682	PHOENIX CONTACT spa			
5	3,00 2,00	BSR10 SENTRY RELAY SIL3 24Vcc 1NA+1NC COD. A1004000																MP02000002TLA01004OR0000	A1004000	ABB SACE SPA			
6	6,00	VOLTAGE PRESENCE SIGNALING DEVICE VPS 3LED dis.43911082																MP02000043911082	VPIS1082	ELECTRONSYSTEM MD srl			
7	1,00	VOLTAGE PRESENCE SIGNALING DEVICE VPIS1118 3,3-36KV dis.43931118																MP02000043931118	VPIS1118	ELECTRONSYSTEM MD srl			
8	2,00	PATCH CORD CAT.6 UTP WHITE L=1mt ART. 6U-010WH																MP02000006U010WH	6U010WH	SECURNET srl			
9	6,00	PATCH CORD CAT.6 UTP YELLOW L=5mt ART. 6U-050-YE																MP02000006U050YE	6U050YE	SECURNET srl			
10	1,00	PATCH CORD CAT.6 UTP YELLOW L=7,5mt																MP02000006U075YE	6U075YE	SECURNET srl			
11	7,00	MODBUS DATACARD, 8-CHANNEL, EM SENSOR INPUT, RS485 MODBUS RTU OUTPUT																MP02000000800208	800208	QM Group Ltd			
12	1,00	CONFIGURATION & COMMISSIONING KIT 800447																MP02000000800447	800447	QM Group Ltd			
13	53,00	IR SENSOR EM; 10-SC-801100 CABLE L=10MT																MP02000000801100	801100	QM Group Ltd			
14	1,00	ARM-XL PANEL - 100X8 CH 4.3" TOUCHSCREEN DISPLAY																MP02000000900451	900451	QM Group Ltd			
15	1,00	M-FAST SFP-TX/RJ45 OPTICAL FIBER TRANSCEIVER 100MBIT/S																MP02000009420980O1	942098001	ABB PT			
16	21,00	SURGE DISCHARGE MV 10KA CL 1 DMI-9-10-1-L																MP02000000990003	990003	DEHN ITALIA spa		2	
17	62,00 54,00 6,00	S2C-S/H 6R SINGNALINC CONTACT/AUX																MP02000000A563819	A563819	ABB SACE SPA		7	
18	7,00	RCD MOULE AC TYPE 2P 25A DDA202-25-300mA/AC																MP02000008427917	8427917	ABB SACE SPA		1	
19	7,00 7,00 1,00	REGLETTE LED 4W 220-240V 50-60HZ COD.74041 - RGL P LED 4W 313mm 4000K I																MP02000008EG74041	74041	BEGHELLI srl	1		
20	1,00	VOLMETRICAL SWITCH 3Tes-FF CA1D-A004-600-FT2 + SD F776 + SDC-E251																MP02000000CA1DA004600FT2	CA1DA004600FT2	KRAUS & NAIMER			
21	18,00	MICROSWITCH D2VW-5L2-1 WITH LONG LEVER/ROT .OMRON																MP02000002V WSL21	D2VW-5L2-1	OMRON ELECTRONICS spA		1	
22	144,00	FEED THROUGH TERMINAL BLOCK DAS.4 DOUBLE LEVEL 4mmq GREY																MP02000000DS100GR	DS100GR	CABUR spa		8	
23	6,00	TERMINAL PLATE GREY DAS/PT/GR																MP02000000DS101GR	DS101GR	CABUR spa		1	
24	7,00	M1173 SCOKET ITALIAN STANDARD 2P+T WITH PROTECTION 250V																MP02000000EA0447	EA0447	ABB SACE SPA			
25	33,00 7,00	CONTACT BLOCK HOLDER MCBH-00 3 SLOT																MP02000000EO5697	EO5697	ABB SACE SPA	6		
26	39,00 105,00 6,00 2,00	MCB-10 1NO CONTACT BLOCK																MP02000000EO5705	EO5705	ABB SACE SPA	6		
27	8,00 98,00	MCB-01 1NC CONTACT BLOCK																MP02000000EO5713	EO5713	ABB SACE SPA		6	
28	1,00	CR-M024DC2L RELAY, CR-M 24VCC 2SC +LED																MP02000000ER5454	15VB405611R1100	ABB SACE SPA			
29	8,00	CR-M230AC2L RELAY230V AC 2C/O CONTACTS NA/NC 250V/12A																MP02000000ER5520	ER5520	ABB SACE SPA			
30	29,00	CR-M110DC4L RELAY CR-M 110VDC AC/O CONTACTS +LED																MP02000000ER5892	ER5892	ABB SACE SPA	3		
31	38,00 191,00 4,00	STANDARD SOCKET CR-M4SS FOR RELAY WITH 2/4 C/O CONTACTS																MP02000000FN6866	15VB405651R3000	ABB SACE SPA			
32	38,00 5,00	RETAIN METAL SPRING CR-MH1 ER7286																MP02000000ER7286	ER7286	ABB SACE SPA			
33	7,00	H3DK-M2 MULTIFUNC. RELAY WITH TIMER . aux:24-230VCA/CC 2SC.T																MP02000000H3DKM2	H3DKM2ACDC242	OMRON ELECTRONICS spA			
34	47,00	END PLATE GREY HSCB/6/PT/GR																MP02000000HB201GR	HB201GR	CABUR spa			
35	7,00	SHORT CIRCUIT PLATE 2 POLES. RED. HSCB/6/PO/2																MP02000000HB203	HB203	CABUR spa			
36	7,00	SHORT CIRCUIT PLASTE 4 POLES, RED, HSCB/6/PO/4																MP02000000HB204	HB204	CABUR spa			
37	96,00 3,00	TERMINAL BLOCK - VOLTMETRIC- HSCB.6/DD/GR SPRING CLAMP																MP02000000HB210GR	HB210GR	CABUR spa			
38	55,00 5,00	TERMINAL BLOCK - AMMETRICAL- HSCB.6/CD/GR SPRING CLAMP																MP02000000HB220GR	HB220GR	CABUR spa			
39	710,00 25,00	FEED THROUGH TERMINAL BLOCK HMM.4/GR SPRING CLAMP																MP02000000HM250GR	HM250GR	CABUR spa	40		
40	56,00	END PLATE GRAY HMT.4/PT/GR																MP02000000HM251GR	HM251GR	CABUR spa			
41	84,00	FEED THROUGH TERMINAL BLOCK HMM.6 SPRING CLAMP																MP02000000HM320GR	HM320GR	CABUR spa			
42	21,00	END PLATE HMT.6/PT GRIGIA																MP02000000HM321GR	HM321GR	CABUR spa			
43	6,00	FEED THROUGH TERMINAL BLOCK HMM.10 SPRING CLAMP																MP02000000HM330GR	HM330GR	CABUR spa			
44	2,00	END PLATE GRAY HMM.10PT																MP02000000HM331GR	HM331GR	CABUR spa			
45	6,00	TO-0.22/2.4/U 50HZ 100/1A SPS-SVA DWG-50R9-00-44 Ø150MM																MP02000000AAP150250S5	KAP150250S5	ESITAS ELEKTRİK SANAYİ			
46	3,00	RECTIFIER BRIDGE KBPC 50A 600V - KBPCS006																MP02000000KBPCS006	KBPCS006	GENERIC			
47	6,00	MLBL-04Y LED BLOCK WITH YELLOW LED 110-130VAC																MP02000000KV0225	KV0225	ABB SACE SPA			
48	6,00	MLBL-05Y LED BLOCK WITH YELLOW LED 110-130VDC																MP02000000KV0274	KV0274	ABB SACE SPA			
49	6,00 26,00 1,00	MP1-10R RED PUSH BUTTON WITH PLASTIC RING. D22																MP02000000KW0752	KW0752	ABB SACE SPA	2		
50	6,00 26,00 1,00	MP1-10G GREEN PUSH BUTTON WITH PLASTIC RING.D22																MP02000000KW0760	KW0760	ABB SACE SPA	2		
51	7,00	MP1-10B BLACK PUSH BUTTON WITH PLASTIC RING.D22																MP02000000KW0802	KW0802	ABB SACE SPA			
52	6,00 1,00	MP1-11Y YELLOW PUSH BUTTON WITH PLASTIC RING - ILLUMINATED D22																MP02000000KW1016	KW1016	ABB SACE SPA			
53	8,00 26,00	M2SS2-10B 90 DEG. 2P POS. SELECTOR BLACK WITH LEVER AND BLACK RING. D22																MP02000000KW3293	1SFA611201R1006	ABB SACE SPA	2		
54	6,00 1,00	PAVM321 DIN SOCKET FOR SCREW TERMINAL BLOCK																MP02000000PAVM321	PAVM321	A.M.R.A. spA			
55	42,00	PLUG-IN CROSS CONNECTION PTC/5/02 2 POLES																MP02000000PTC0502	PTC0502	CABUR spa			
56	42,00	PLUG-IN CROSS CONNECTION PTC/8/02 3 POLES																MP02000000PTC0802	PTC0802	CABUR spa			
57	7,00 1,00	ANTICONDENSATE RESISTOR 5KR 15OW SUPPLY 220-240VCA																MP02000000R1R150230	R1R150230	TOMRESAN P. srl COSTRUZIONI EL			
58	6,00	RMBE13-C110T BISTABILE 110VCC 7SC.UL-M TROPICALIZED																MP02000000RMBE13C110T	RMBE13C110T	A.M.R.A. spA		1	
59	1,00 1,00	RSPS25-S60026YT-54929HHE25SXX.X RSPS RAIL SWITCH POWER SMART CONFIG.																MP02000000RSPS25060026YT	RSPS25060026YT	HIRSCHMANN			
60	23,00 4,00	MCB 2P 2A-C S202M-C2																MP02000005S50239	S550239	ABB SACE SPA		2	
61	14,00 7,00 1,00	MCB 2P 4A-C S202M-C4																MP02000005S50253	S550253	ABB SACE SPA		2	
62	7,00 1,00	MCB 2P 10A-C S202M-C10																MP02000005S50284	S550284	ABB SACE SPA		1	
63	1,00 1,00	MCB 3P 2A-C S203M-C2																MP02000005S50383	S550383	ABB SACE SPA		1	
64	18,00	MCB 4P 2A-C S204M-C2																MP02000005S50680	S550680	ABB SACE SPA		1	
65	1,00	MCB 2P 4A-D S202M-D4																MP02000005S60422	S600422	ABB SACE SPA		1	
66	1,00	MCB 2P 6A-D S202M-D6																MP02000005S600446	S600446	ABB SACE SPA		1	
67	2,00	MCB 2P 25A-D S202M-D25																MP02000005S600545	S600545	ABB SACE SPA		1	
68	1,00	MCB 2P 32A-D S202M-D32																MP02000005S600613	S600613	ABB SACE SPA		1	
69	1,00	DC/DC CONVERTER IN=110VDC OUT=24VDC 150W 6A MOD. SPS151DX-110C-24-6																MP02000009PS151SDX110C246	SPS151DX110C246	ADVEL SRL			
70	7,00 7,00 1,00	TRT-10A ADJUSTABLE THERMOSTAT -10° A +80° 1NC IP20 EN50022/35																MP02000001TRT10A230VNC	TRT10A230VNC	FANDIS			
71	3,00	CMF 7.2KV 250A 442/87MM STRIKER BON 1YMB760741M4811 59014360023289																MP02000021VCF501000R0002	000021VCF501000R0002	ABB PT		3	
72	2,00	RSP25-11003Z6TT-SK9V9HHE2SXX SWITCH HIRSCHMANN																MP02000021VCF698390R0397	2-1VCF698390R0397	HIRSCHMANN			
73	1,00	VOLTAGE INDICATOR 96X96 90° CA.D=8KV ON TV 6600/110V TROP. SHP VERSION																MP02000021F96EVXYYXCL	2-F96EVXYYXCL	FBER Srl			
74	6,00	FUSIBLE CEF 6/12KV 160A 442/87MM S 1YMB711238M4812																MP02000081VCF501000R0002	8-1VCF501000R0002	ABB PT		3	
75	3,00	FUSIBLE CEF 6/12KV 63A 442/65MM S 1YMB711229M4612																MP02000091VCF501000R0002	9-1VCF501000R0002	ABB PT		3	
76	3,00	FUSIBLE CEF 6/12KV 200A 442/87MM S 1YMB711239M4812																MP02000101VCF501000R0002	10-1VCF501000R0002	ABB PT			
77	6,00	OPTICAL FIBER CABLE PRE-MANUFACT. LENS L=7M 1MRS120534-7																MP02000171VCF698000R0012	000171VCF698000R0012	ABB PT			
78	12,00	OPTICAL FIBER CABLE PRE-MANUFACT. LENS L=5M 1MRS120534-5																MP02000201VCF698000R0012	000201VCF698000R0012	ABB PT			
79	3,00	TA ATB10-85 7,2/20/60KV 60HZ 600/1-1 5VA-0,5/5P20 10VA-5P20 SEC.P1 SIDE																MP02000035ATB1085	35-ATB1085	ESITAS ELEKTRİK SANAYİ			
80	3,00	TA ATB10-85 7,2/20/60KV 60HZ 400/1 0,5/5P20-5VA SEC.P2 SIDE																MP02000036ATB1085	36-ATB1085	ESITAS ELEKTRİK SANAYİ			

3,00				**81**	3,00	TA ATB10-BS 7,2/20/60KV 50HZ 50/1 0,5/5P15-2,5VA SEC.P1 SIDE	MP0200037ATB10BS	37-ATB10BS	ESITAS ELEKTRIK SANAYI		
6,00				**82**	6,00	TA ATB10-BS 7,2/20/60KV 50HZ 150/1 0,5/5P20 5VA DWG:5150-00 SEC.P2 SIDE	MP0200038ATB10BS	38-ATB10BS	ESITAS ELEKTRIK SANAYI		
3,00				**83**	3,00	TA ATB10-BS 7,2/20/60KV 50HZ 200/1 0,5/5P20 5VA DWG:5150-00 SEC.P2 SIDE	MP0200039ATB10BS	39-ATB10BS	ESITAS ELEKTRIK SANAYI		
6,00				**84**	6,00	ANTIFERRORESONANCE RESISTOR TR318 27 OHM 500W L=2,5M	MP02001041VCF501000R0001	104-1VCF501000R0001	ABB PT		
18,00				**85**	18,00	TJP 4.3 TV 7,2KV 50/60HZ 6600:r3/110:r3/110:r3/110:3V E404008164	MP02001091VCF501000R0001	109-1VCF501000R0001	ABB PT		
	2,00			**86**	2,00	DX122 IO-MODULE FOR UMC100, 8 DI 110-230 V AC, 4DO, 1AO, SUPPLY 24 V DC	MP02000001SAJ622000R0102	1SAJ622000R0102	ABB SACE SPA		
	2,00			**87**	2,00	SMK3.0 ADAPTOR AND COMUNICATION INTERFACE	MP02000001SAJ929600R0001	1SAJ929600R0001	ABB SACE SPA		
	2,00			**88**	2,00	XT2S-160 INTERR MA 20 - 120-280 3p F F	MP02000001SDA067765R1-5	1SDA067765R1	ABB SACE SPA		
	2,00			**89**	2,00	XT2S-160 INT. EKIP LSIG In=10A 4P F F	MP02000001SDA067851R1-1	1SDA067851R1	ABB SACE SPA		
	7,00			**90**	7,00	XT2S-160 INT. EKIP LSIG In=63A 4P F F	MP02000001SDA067853R1-1	1SDA067853R1	ABB SACE SPA		
	3,00			**91**	3,00	XT2S-160 INT. EKIP LSIG In=100A 4P F F	MP02000001SDA067854R1-1	1SDA067854R1	ABB SACE SPA		
	14,00			**92**	14,00	XT2S 160 BREAKING PART 4P FF	MP02000001SDA068169R1-1	**1SDA068169R1**	ABB SACE SPA		
	4,00			**93**	4,00	XT2S 160 BREAKING PART 4P FF	MP02000001SDA068169R1-2	**1SDA068169R1**	ABB SACE SPA		
	1,00			**94**	1,00	XT2S 160 BREAKING PART 4P FF	MP02000001SDA068169R1-3	**1SDA068169R1**	ABB SACE SPA		
	3,00			**95**	3,00	XT4S-250 BREAKING PART 4p F F	MP02000001SDA068179R1-4	**1SDA068179R1**	ABB SACE SPA		
	2,00			**96**	2,00	XT4S-250 BREAKING PART 4p F F	MP02000001SDA068179R1-5	**1SDA068179R1**	ABB SACE SPA		
	1,00			**97**	1,00	MOBILE PART E1.2C 1250 4P EKIP HI-TOUCH LSIG WMP	MP02000001SDA072819R1-1	1SDA072819R1	ABB SACE SPA		
	1,00			**98**	1,00	E4.2N/MS 3200 4P W MP	MP02000001SDA073541R1-5	1SDA073541R1	ABB SACE SPA		
	1,00			**99**	1,00	XT5S-400 BREAKING PART 4P F F	MP02000001SDA100556R1-3	**1SDA100556R1**	ABB SACE SPA		
	1,00			**100**	1,00	XT5S-400 BREAKING PART 4P F F	MP02000001SDA100556R1-4	**1SDA100556R1**	ABB SACE SPA		
	3,00			**101**	3,00	FUSIBLE NH-000 In=16A 690VAC +segn.combinata gL/gG 3NA6805-6	MP02000003NA68056	3NA68056	SIEMENS spa		
	1,00			**102**	1,00	COUPLER MODULE FIELDBUS MODBUS RS485COD.750-315/300-000	MP0200000750315300000	750315300000	WAGO ELETTRONICA srl		
	2,00	2,00		**103**	4,00	MODULE WITH 8 DIGITAL CHANNELS INPUTS 24V DC 3MS cod.750-430	MP0200000750430	750430	WAGO ELETTRONICA srl		
	1,00	1,00		**104**	2,00	END CAP MODULE cod.750-600	MP0200000750600	750600	WAGO ELETTRONICA srl		
	1,00	1,00		**105**	2,00	POWER SUPPLY DISTRIBUTION MODULE 750-602	MP0200000750602	750602	WAGO ELETTRONICA srl		
	1,00			**106**	1,00	CONFIGURABLE INTERFACE MODULE RS485/RS232 COD: 750-652	MP0200000750652	750652	WAGO ELETTRONICA srl		
	4,00		4,00	**107**	8,00	SURGE DISCHARGE 255V 25KA CL.1 TIPO DVCI 1 255 FM	MP0200000961205	961205	DEHN ITALIA spa		
	1,00			**108**	1,00	RCND FLAG RELAY TO ALIM.A4RCND230VCA230VCA	MP0200000A4RCND230VCA	A4RCND230VCA230VCA	TORRESAN P. srl COSTRUZIONI EL		
	3,00			**109**	3,00	AF190-40-11-13 CONTACTOR 4P 275A 100-250VC/DC	MP0200000AF190401113	AF190401113	ABB SACE SPA		
	1,00			**110**	1,00	AF265-40-11-13 CONTACTOR 4P 132KW100-250VCA/CC	MP0200000AF265401113	AF265401113	ABB SACE SPA		
	2,00			**111**	2,00	AF38-30-00-13 CONTACTOR 3P 18,5kW 100...250VAC/CC	MP0200000AF38300013	AF38300013	ABB SACE SPA		
	14,00			**112**	14,00	AF40-40-00-13 CONTACTOR 4P 70A AC1 100-250VAC/DC	MP0200000AF40400013	AF40400013	ABB SACE SPA		
	4,00			**113**	4,00	AF52-40-00-13 CONTACTOR 4P 52A 100-250VAC/DC	MP0200000AF52400013	AF52400013	ABB SACE SPA		
	1,00			**114**	1,00	AF80-40-00-13 CONTACTOR 4P 125A 100-250VAC/CC	MP0200000AF80400013	AF80400013	ABB SACE SPA		
	1,00	2,00		**115**	3,00	ML1-100R RED LAMP - ROUND D22	MP0200000EO5622	EO5622	ABB SACE SPA		
	1,00	2,00		**116**	3,00	ML1-100G GREEN LAMP - ROUND D22	MP0200000EO5630	EO5630	ABB SACE SPA		
	1,00	1,00		**117**	2,00	ML1-100Y YELLOW LAMP - ROUND D22	MP0200000EO5648	EO5648	ABB SACE SPA		
	191,00		4,00	**118**	195,00	CR-M230AC4L REALY 230VAC 4C/O +LED	MP0200000ER5926	1SVR405613R3100	ABB SACE SPA	3	10
	186,00		4,00	**119**	190,00	CR-MH RETAIN DEVICE PL FOR SOCKET CR-M	MP0200000ER6098	1SVR405659R1000	ABB SACE SPA		10
	210,00			**120**	210,00	TERMINAL BLOCK - DOUBLE LAYER HMD.2/GR	MP0200000HD100GR	HD100GR	CABUR spa		20
	410,00			**121**	410,00	TERMINAL BLOCK - DOUBLE LAYER HMD.2N/GR	MP0200000HD400GR	HD400GR	CABUR spa		20
	1,00		2,00	**122**	3,00	MLBL-07R MODULE WITH INTEGRATED LED - RED 230VCA	MP0200000KV0357	KV0357	ABB SACE SPA		
	1,00		2,00	**123**	3,00	MLBL-07G MODULE WITH INTEGRATED LED - GREEN 230VCA	MP0200000KV0365	KV0365	ABB SACE SPA		
	2,00		1,00	**124**	3,00	MLBL-07Y MODULE WITH INTEGRATED LED - YELLOW 220VAC	MP0200000KV0373	KV0373	ABB SACE SPA		
	1,00			**125**	1,00	M2SSK2-101 ROUND SELECTOR WITH KEY 2P 0-1 EXT CLOSED IN "0"	MP0200000KW4168	KW4168	ABB SACE SPA		
	3,00			**126**	3,00	FUSIBLE 10,3X38 20A gG E 9F10 GG20 500VCA	MP0200000M277323	M277323	ABB SACE SPA		1
	4,00			**127**	4,00	FUSIBLE 10,3X38 16A gG E 9F10 GG16 500VCA	MP0200000M277543	M277543	ABB SACE SPA		1
	15,00			**128**	15,00	MULTILED INDICATOR 22/48 3LED (GR-RD+AM)230VAC/DC PR. LAMP+FASTON+TROP	MP0200000ML22483L230STLTT	ML22483L230STLTTR	DOMO SRL		
	25,00			**129**	25,00	MULTILED INDICATOR 22/48 4LED (GR+RD+RD+AM) 230VAC/DC PR. LAP+FASt+TROP	MP0200000ML22484L230STLTT	ML22484L230STLTT	DOMO SRL		
	1,00			**130**	1,00	MO132-0,16A C.B. MOTOR PROTECTION (ONLY MAGNETIC) MO132	MP0200000MO1320V16	MO1320V16	ABB SACE SPA		
	2,00			**131**	2,00	MRP31.0 MODBUS INTERFACE RTU FOR UMC100.3	MP0200000MRP310	1SAJ251000R0001	ABB SACE SPA		
	3,00			**132**	3,00	AMPEROMETRIC TRASF. 2500/1A 5VA-5P20 TROP	MP0200000TAR1052K5N01V18	TAR1052K5N01V18	FRER Srl		
	2,00			**133**	2,00	VOLTAGE TRASF. 10VA CL.0,5 400/110V 1TTV010400110 TROPICALIZZATI	MP0200000TTV010400XC1XT	TTV010400XC1XT	FRER Srl		
	2,00			**134**	2,00	UMC100-PAN OPERATING PANEL FBP PER UMC100.3UC	MP0200000UMC1003PAN	1SAJ590000R0103	ABB SACE SPA		
	2,00			**135**	2,00	UMC100.3 UC UNIVERSAL MOTOR CONTROLLER 0,24-63A 110...240Vac/dc	MP0200000UMC1003UC	1SAJ530000R1100	ABB SACE SPA		
	1,00	1,00		**136**	2,00	SWITCHING POWER SUPPLY 90-264VCA/24VCC 5A - CSF120CP	MP0200000XCSF120CP	XCSF120CP	CABUR spa		
	59,00			**137**	59,00	I/O MODULE 5DI+2DO MODBUS RS485 V=10÷40Vdc 19÷28Vac	MP0200000Z5DI2DO	Z5DI2DO	SENECA		3
	1,00			**138**	1,00	REF615 (versione F) HBFFAEFCNDCABBA11G	MP02000491VCF698395R1001	000491VCF698395R1001	ABB PT		
		2,00		**139**	2,00	FUSIBLE NH-00 6A 800V	MP02000001634906	1634906	ITALWEBER spa		1
		3,00		**140**	3,00	FUSIBLE NH-00 35A 800V	MP02000001634935	1634935	ITALWEBER spa		1
		2,00		**141**	2,00	EKIP COMUNICATION MODULE MODBUS TCP FOR E1.2...E6.2	MP02000001SDA074151R1	1SDA074151R1	ABB SACE SPA		
		2,00		**142**	2,00	EKIP COM ACTUATOR COMUNICATION MODULE E1.2..E6.2	MP02000001SDA074166R1	1SDA074166R1	ABB SACE SPA		
		1,00		**143**	1,00	E1.2N/E9 1250 Ekip Touch LSIG 3p WMP	MP02000001SDA104296R1-3	1SDA104296R1	ABB SACE SPA		
		1,00		**144**	1,00	E1.2N/E9 1250 Ekip HI-Touch LSIG 3p WMP	MP02000001SDA104297R1-1	1SDA104297R1	ABB SACE SPA		
		1,00		**145**	1,00	FIELDBUS COUPLER MODBUS TCP/UDP ETHERNET 10/100 MBIT/S COD.750-362	MP0200000750362	750362	ABB SACE SPA		
		4,00		**146**	4,00	DEHNbloc Maxi DBM-1-CI-440-FM 1-POLE with integrated backup fuse	MP0200000961146	961146	DEHN ITALIA spa		2
		1,00		**147**	1,00	RCD MODULE. TYPE.A 2P 25A DDA202-25-300mA/A	MP0200000B427960	B427960	ABB SACE SPA		
		1,00		**148**	1,00	SWITCH WITH LEVER R16 2/5 COD.R601-205002-W002	MP0200000R601205002W002	R601205002W002	COMELETRIC snc di RIZZITEL		
		1,00		**149**	1,00	MCB-2P 6A-C S202M-C6	MP0200000S550260	S550260	ABB SACE SPA		
		1,00		**150**	1,00	ISOLATING TRANSFORMER SINGLE PHASE 50HZ 800/230V P=1000VA - TROPICALIZ	MP0200001F14XXX	00001 F14XXX	L.E.F. srl		
			1,00	**151**	1,00	XT2N 160 EKIP LSI (63A) 4 POLES FIXE FRONTAL CONNECTION	MP02000001SDA067104R1-3	1SDA067104R1	ABB SACE SPA		
			1,00	**152**	1,00	S800-AUX AUX CONTATCS 2NA+2NC	MP0200000A120680	A120680	ABB SACE SPA		
			51,00	**153**	51,00	S2C-H6R AUX CONTACT	MP0200000A563826	A563826	ABB SACE SPA		3
			18,00	**154**	18,00	RCD MODULE TYPE.AC 2P 25A DDA202-25-30mA/AC	MP0200000B427911	B427911	ABB SACE SPA		1
			96,00	**155**	96,00	FEED THROUGH TERMINAL BLOCK WITH SCREW CBD.4 4mmq	MP0200000CB240	CB240	CABUR spa		5
			10,00	**156**	10,00	EH04-11N AUX CONTACTS 1NA+1NC	MP0200000EH0411N	EH0411N	ABB SACE SPA		1
			1,00	**157**	1,00	ESB16-20N-06 230V C.C./C.A. MODULAR CONTACTOR 2NA	MP0200000ESB1620N06	ESB1620N06	ABB SACE SPA		1
			8,00	**158**	8,00	ESB40-20 230V AC/DC MODULAR CONTACTOR	MP0200000ESB4020N06	ESB4020N06	ABB SACE SPA		1
			1,00	**159**	1,00	ESB63-40N-06 230V AC/DC MODULAR CONTACTOR	MP0200000ESB6340N06	ESB6340N06	ABB SACE SPA		1
			1,00	**160**	1,00	TL1 DUSK SENSOR , 1 MODULE COD M229921	MP0200000M229921	M229921	ABB SACE SPA		
			1,00	**161**	1,00	E204/100g SWITCH DISCONNECTOR 4P 100A M645291	MP0200000M646291	M646291	ABB SACE SPA		1
			1,00	**162**	1,00	MCB-4P 50A-C S804S-C50	MP0200000S120091	S120091	ABB SACE SPA		1
			2,00	**163**	2,00	MCB S302P C 1 25KA 2P	MP0200000S302PC1	S302PC1	ABB SACE SPA		1
			4,00	**164**	4,00	MCB S302P C10 25KA 2P	MP0200000S302PC10	S302PC10	ABB SACE SPA		1
			6,00	**165**	6,00	MCB S302P C16 25KA 2P	MP0200000S302PC16	S302PC16	ABB SACE SPA		1
			11,00	**166**	11,00	MCB S302P C20 25KA 2P	MP0200000S302PC20	S302PC20	ABB SACE SPA		1
			21,00	**167**	21,00	MCB S302P C 6 25KA 2P	MP0200000S302PC6	S302PC6	ABB SACE SPA		2
			4,00	**168**	4,00	MCB S302P D16 25KA 2P	MP0200000S302PD16	S302PD16	ABB SACE SPA		1
			2,00	**169**	2,00	MCB S304P C10 25KA 4P	MP0200000S304PC10	S304PC10	ABB SACE SPA		1
1				**170**	1,00	SWICOM (DISPLAY)	MP02000001VCF681000R0101	1VCF681000R0101	ABB SACE SPA		
1				**171**	1,00	PDCOM (PARTIAL DISCHARGE MONITORING)	MP02000001VCF681000R0103	1VCF681000R0103	ABB SACE SPA		
1				**172**	1,00	INTERFACE PDCOM VIS/INSULATOR	MP02000001VCF681000R0104	1VCF681000R0104	ABB SACE SPA		
4				**173**	4,00	**VSC7/P 7,2KV CONTATTORE V-Contact 400A DCO FOR UNIGEAR - IEC 62271-106 - FOR FUSE E=442mm** OPERATION COUNTER (1VCF309500R0097) NAMEPLATE IN ENGLISH (1VCF309500R0882) ELECTRONIC CONTROL MODULE MAC R2 (1VCF309503R0881) UNDERVOLTAGE SHUNT RELEASE (1VCF309503R3881) POWER SUPPLY MODULE FOR MAC R2 110VDC (1VCF309588R0909) LOCK SOLENOID 110-127Vac/dc (1VCF329700R0913)	MP02000001VCF305581R3200-3	1VCF305581R3200	ABB SACE SPA		
2				**174**	2,00	**C.B. 3P 12KV 630A 25KA WITHDRAWABLE VD4/P 12.06.25 P150 FOR POWERCUBE** KEY LOCK OPEN POS. WITH DIFFERENT KEY (1VCF339700R0271) POSITION CONTACT (1VCF339700R0291) SPRING CHARGE/DISCHARGE SIGNALING (1VCF339700R0395) NAMEPLATE IN ENGLISH (1VCF339700R0882) TROLLEY LOCKING MAGNET (1VCF339700R1909) 16 AUX CONTACTS (1VCF339701R0194) OPENING INSTANTANEOUS SHUNT RELEASE 110Vcc(1VCF339701R2909) SPRING CHARGE MOTOR 110Vcc (1VCF339701R8909) UNDERVOLTAGE SHUNT RELEASE 110-127v AC/DC (1VCF339800R4913) MECHANICAL INTERLOCK WITH DOOR (1VCF349700R0407) CABLING WITH AFUMEX CABLE N07G9-K (1VCF349700R4881)	MP02000001VCF337121R1141-4	1VCF337121R1141	ABB SACE SPA		
6				**175**	6,00	**TV/F 12/17,5kV WITH AUX CONTACTS FOR NEW VD4 <=40kA** NAME PLATE IN ENGLISH FOR TV/F (1VCF499800R0302) TV/FELECTROMECHANICAL LOCK FOR CELL DOOR 110Vcc (1VCF579700R0909) ELCTROMECHANICAL LOCK 110Vcc FOR EARTHING SWITCH (1VCF599500R0909) KEY LOCK WITH EARTHING SWITCH C.B. INSERTION (1VCF599504R0042) KEY LOCK FOR SWITCH OPEN/CLOSED POSITION (1VCF599504R0063) N.5 AUX CONACTS FOR EARTHING SWITCH (1VCF599505R0001) N.10 AUX CONTACTS FOR EARTHING SWITCH (1VCF599505R0002) SHUTTER FAIL SAFE (1VCF599505R0111) EARTHING SWITCH ST-E 17.31 150 (1VCF599700R0131) 58 PIN WITH AFUMEX CABLE (1VCF599700R0161) 5NA+5NC C.AUX C.B. INSERTED AND 5NA+5NC C.AUX C.B. OPENED (1VCF599700R0171) EARTHING SWITCH DOOR INTERLOCK MECHANISM (1VCF599700R0280) LEVER FOR EARTHING SWITCH(1VCF599700R0290) PAINTED DOOR (1VCF599700R4882) SUPPORT FOR PUSH BUTTON ON PAINTED DOOR (1VCF599700R4884)	MP02000001VCF498412R0100-20	1VCF498412R0100	ABB SACE SPA		