

Remanining Spares and Equipment

							R0,00
ID	Item	Description	Category	Model	Unit Price	Required Qty	Total
1	Auxiliary Contact	MCB Auxiliary contact	Field equipment	2CCS800900R0011		9	
2	MCB	Mini circuit braker	Field equipment	2CCS862001R0104		5	
3	Fuse 2,5 Amp SF	Surface mount fuse 2,5 Ampere for FUM Module onboard - OMF250-SMD Fused 2,5 A 250v	Fuses	3403,0020,24		2000	
4	Bently Nevada 3500 Power Supply module	Bently Nevada 3500/15 Power Supply module	Module	3500/15		2	
5	Bently Nevada 3500 Communication module	Bently Nevada 3500/22 Communication module. Tranceint data interface	Module	3500/22		1	
6	Bently Nevada 3500 Proximity module	Bently Nevada 3500/42 Proximity module	Module	3500/42		2	
7	3LD switch - disconnect	3LD switch disconnect, HMI UPS power switchover	Server & Computers	3LD2265-7UB01		1	
8	Contact	Contact: 4-pole; NO x4; 24VDC; 9A	Contact	3RT2316-1BB40		4	
9	Safety Relay	Fail Safe safety relay	Relays	3TK2830-1CB30		32	
10	Fuse 4 Amp	FUM Back rack 4 Ampere fuse	Fuses	4A TR5-372		330	
11	FUM 210 module	FUM 210 Binary IO Module	Module	6DP1210-7AA		26	
12	FUM 210 module (Repaired)	FUM 210 Binary IO Module	Module	6DP1210-7AA		3	
13	FUM 230 module	FUM 230 Analog IO Module	Module	6DP1230-8JJ		17	
14	FUM 230 module (Repaired)	FUM 230 Analog IO Module	Module	6DP1230-8JJ		16	
15	FUM 280 module	FUM 280 IO Module	Module	6DP1280 7AA		60	
16	FUM 280 module (Repaired)	FUM 280 IO Module	Module	6DP1280 7AA		2	
17	IM 616 module	IM 616 Interface module	Module	6DP1616-8CA		10	
18	IM 616 module (Repaired)	IM 616 Interface module	Module	6DP1616-8CA		8	
19	FUM Subrack	FUM Subrack EU902	Module	6DP9902-8BA00		5	
20	WS Thin Client for SPPA-T3000 HP Z440	WS Thin Client for SPPA-T3000 HP Z440	Simulator Equipment	6DU1000-3AA00-0LD1		5	
21	APPL SERVER, DRSERVER MX,HP DL360 GEN8	APPL SERVER, DRSERVER MX,HP DL360 GEN8	Server & Computers	6DU1142-0AX01-0BF1		3	
22	CS3000	CS3000_Basic configuration, 1x RJ45, 3x RS232, non redundant, without protocol	Module	6DU1161-5BC00-1BS1		2	
23	GPS Antenna DCF 4500 For DTS TIMSERVER	DCF 4500 + 100m Antenna	Server & Computers	6DU1163-0AA00-0AG1		2	
24	DTS 4138S STANDARD-TIMESERVER For T3000	DTS4138S Timeserver	Server & Computers	6DU1163-0AB38-0SA3		1	
25	Distribution DCF Time	DTS 2390.DCF DISTRIBUTOR	Server & Computers	6DU1163-0AD45-0AA0		1	
26	3TB HPE Hard Drive	3TB HPE Hard Drive	Server & Computers	6DU1940-0XX00-0AX0		3	
27	IM153 module	SIMATIC DP, Connection IM 153-1	Module	6ES7153-1AA03		1	
28	IM module	SIMATIC DP, Connection ET 200M IM 153-2	Module	6ES7-153-2BA10-0XB0		2	

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29	S7 DP/DP coupler	SIMATIC DP, DP/DP coupler Coupling module for connecting of two PROFIBUS DP networks redundant current infeed	Module	6ES7158-0AD01-0XA0		2	
30	SIMATIC S7, Safety protector	SIMATIC S7, Safety protector between F and standard modules	Module	6ES7-195-7KF00-0XA0		3	
31	SIMATIC S7 coupler	SIMATIC S7 Y-Coupler	Module	6ES7197-1LB00		3	
32	S7 SIM DI Module	SIMATIC S7-300, DIGITAL INPUT SM 321	Module	6ES7321-1BH01-0AA0		3	
33	S7 Fail Safe, Digital input (Repaired)	SIMATIC S7, Digital input SM 326, F-DI 24x24 V DC, Fail-safe digital input for SIMATIC S7 F-systems with diagnostic alarm, up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1x 40-pole	Module	6ES7321-7TH00-0AB0		1	
34	S7 SIM DO Module	SIMATIC S7, DIGITAL OUTPUT SM326	Module	6ES7326-2BF10-0AB0		4	
35	S7 Fail Safe AI module - Repaired	Fail-safe analog inputs for SIMATIC Safety 336	Module	6ES7336-4GE00-0AB0		1	
36	Redundancy AS	Redundant Automation Unit (2x CPU's, Power supply's, Communication processors, and back rack)	Module	6ES7656-6CS31-2GF0		1	
37	SIMATIC S7-400H, Synchronization module	SIMATIC S7-400H, Synchronization module V6 for patch cable to 10 m	Module	6ES7960-1AA06-0XA0		3	
38	Profibus terminating plug	Profibus terminating plug	Module	6ES7972-0BA52-0XA0		35	
39	Simatic NET OLM	PROFIBUS OLM/G11 V4.0 optical Link module with 1 RS485 and 1 glass fiber-optic cable interface (2 BFOC sockets), with signaling contact and test port	Module	6GK1503-2CB00		3	
40	Scalance X101-1	Simatic net Media converter	Module	6GK5101-1BB00-2AA3 \SCALANCE X101-1		12	
41	Scalance X308	Electrical switch module SIMATIC NET Scalance X308	Server & Computers	6GK5308-2GG00-2AA2		8	
42	Scalance X310	Electrical switch module SIMATIC NET Scalance X310	Server & Computers	6GK5310-OFA10-2AA3		5	
43	Scalance S612	Simatic net Security module	Server & Computers	6GK56120BA10-2AA3		2	
44	Scalance plug-in transceiver	SCALANCE X accessory; Plug-in transceiver SFP991-1; 1x 100 Mbit/s LC port, optical; multimode optical up to max. 5 km	Server & Computers	6GK5991-1AD00-8AA0		18	
45	SIMATIC MEDIA MODULE MM992	Scalance X accessory, media module mm992-2, 2 x 1000mbit/s sc-ports, optical; multimode glass up to max. 750 m	Server & Computers	6GK5992-2AL00-8AA0		19	
46	RX1500	The RUGGEDCOM RX1500 series is a utility grade layer 2 and layer 3 switch and router. 2x power supply (Hot Swappable) Field replaceable line modules Up to 24-ports 100FX	Server & Computers	6GK60150AM244DC0-ZA01+B00+C00+D01+E01		1	
47	Communications processor	Communications processor CP 443-1	Module	6GK7 443-1RX00		1	

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48	Communications processor	Communications processor CP 443-5	Module	6GK7443-5DX05-0XE0		1	
49	Terminal end cap	Quick mounting end clamp for 35 mm DIN railWidth: 8 mm Beige	Field equipment	AEB 35 SC/1		500	
50	Mounting Bracket kit (Manifold)	Stainless Steel 1.4404 (316L) Mounting Kits for Panel, Wall or 2" Pipe Mounting (1 Mounting Bracket 2 'U' Bolts 4 Washers – 8.4 4 Hexagon Nuts M8 2 Hexagon Socket Head Cap Screws M10 x 14 2 Washers – 10.5)	Field equipment	AKM-DPS		75	

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51	Accessory Kit (Manifold) mounting seals and bolts	Accessory Kits - 4 screws and 2 seal rings.	Field equipment	AKS-HU4S-FAF54		50	
52	Distribution IRIG Time	DTS2340 IRIG Distribution	Server & Computers	B023 0020 4698		1	
53	Rack Module blank cover	Rack Module blank cover	Module	B-Cover		20	
54	SS Weld in Condensate Pot	SS Weld in Condensate Pot	Field equipment	CP2-8-3BGGG-STI		2	
55	HP Color Laser Printer A3	HP Laser jet printer CP5225n	Server & Computers	CP5225n		1	
56	Diode Block	Diode block - EMG 90-DIO 16E/LP. 2 diodes with common cathode: with 8 pairs, for individual wiring		Diode block - EMG 90-DIO 16E/LP - 2954808		10	
57	SS Fitting 12mm Connector Tube	12 mm tube to female ISO parallel thread	Field equipment	DMC12M-8G-STIA		680	
58	Time server DTS 2390	DTS2345 Ser. Distribution	Server & Computers	DTS2345 Ser. Distribution		1	
59	SS 12 mm tube strait union	Tube 12 mm to Tube 12mm SS 316 union	Field equipment	DU-12M-STIA		350	
60	Electronic housing - EMG 90-B17	Custom circuit module, consisting of housing, MKDS 3 connection terminal blocks and PCB		Electronic housing - EMG 90-B17 - 2946269		5	
61	Diode Block	Diode block - EMG 45-DIO 8E. 2950103. Diode module, with 8 diodes, individually wired		EMG 45-DIO 8E - 2950103		5	
62	Fiber optic splice box 19' rack	Fiber optic splice box 19' rack	Server & Computers	F19"		5	
63	FUSE 5X20 mm 2.5A/250V	FUSE 5X20 mm 2.5A/250V Glass fuse for FUM Module front	Fuses	F2,5A250		100	
64	Fuse Holders	Fuse Holders for FUM modules	Fuses	F-Fum HLD		22	
65	Remote display FHX50	Remote display FHX50, with 10 m cable	Transmitter	FHX50		2	
66	Level transmitter	Capacitance level tx	Transmitter	FM151-C2EAFJA3AD+1		1	
67	Level Transmitter	Radar level transmitter	Transmitter	FMR51-AAALCABAAA5RVJ+AAF3JALAZ1		1	
68	Transceiver Shortwave Module	Finisar SFP 850nm SWL 4GB mini-GBIC FTLF8524P2BNV Transceiver Shortwave Module	Server & Computers	FTLF8524P2BNV		4	
69	Transceiver Module 10Gb 10GBASE-SR/SW LC Multi-Mode	Finisar FTLX8571D3BCL SFP+ Transceiver Module 10Gb 10GBASE-SR/SW LC Multi-Mode	Server & Computers	FTLX8571D3BCL SFP		3	
70	Weld in fitting 14 mm to 1/2 inch BSP	Weld in fitting 14 mm to 1/2 inch BSP fitting	Field equipment	GCMBW14M-8G-STI		150	
71	SS 14 mm butt weld Reducer	SS weld in Reducer 14 mm to 21.3 mm	Field equipment	GUW14M-8P-FLU-STI		100	
72	HP Z24n Monitor	HP Z24n Monitor	Computer Equipment /Simulator Equipment	K7B99-60014		2	
73	KCD-SR-EX2	KCD2-SR-Ex2. 2-channel isolated barrier. 24 V DC supply (Power Rail) Dry contact or NAMUR inputs.	Module	KCD-SR-EX2		4	

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74	KFD2-SR2-Ex1.W.LB.	1-channel isolated barrier. 24 V DC supply (Power Rail) Dry contact or NAMUR inputs. Usable as signal splitter (1 input and 2 outputs)	Module	KFD2-SR2-Ex1.W.LB.		4	
75	Barrier 4-20 ma Repeater	Channel repeater power supply for operating 2-conductor measuring transducers, input: 4 ... 20 mA (supplying), output: 4 ... 20 mA (active), bidirectional transmission with digital HART transparency, screw connection, SIL, PL.	Module	MACX MCR-SL-RPSS-2I-2I		62	
76	DVI KVM Fiber Extender AR CON 2 ch	DVI-Vision-Fiber-MC2-ARU-CON user module + DVI-Vision-Fiber-MC2-ARU-CPU computer module	Server & Computers	MC2-ARU-CPU & CON		1	
77	DVI KVM Fiber Extender AR CON 4 ch	DVI-Vision-Fiber-MC4-ARU-CON user module + DVI-Vision-Fiber-MC4-ARU-CPU computer modul	Server & Computers	MC4-ARU-CPU & CON		1	
78	Pluggable Terminal Block (green)	MSTB 2,5/ 2-ST is a 2-position 5mm CLASSIC COMBICON plug-in printed circuit board connector Terminal Block with PA (polyamide) insulator, green colour, tin contact surface. Screw connection method, A3 internal cylindrical cage and M3 screw thread	Field equipment	MSTB 2,5/ 2-ST		150	
79	Mounting Bracket kit (double gauge valve))	Mounting Kit for wall mounting in carbon steel	Field equipment	N006.12.110		28	
80	5-Valve Manifold Split inlet weld in 14 mm	(HIGH DUTY) 5-Valve Manifold-Combination PN420 DN5 Inlet: welded / Purge: SWAGELOK 14	Field equipment	N541.37.235.93		9	
81	HP LCD Speaker bar	HP LCD Speaker bar	Server & Computers	NQ576AA		2	
82	SS 14 mm Weld in Coupling	M14T(BW) x 1/2P(BW) Weld in SST coupling	Field equipment	PCWB-M14T08P-SST		105	
83	SS 14 mm weld in coupling	Weld in coupling 14mm to 50 mm coupling	Field equipment	PCWB-M14T08P-SST		100	
84	Feed-trough terminal PDU2,5	Feed-through terminal, PUSH IN, 4 mm², 800 V, 32 A, beige	Field equipment	PDU 2,5/4		1400	
85	SS 1/2 inch long HEX nipple	HEX long nipple	Field equipment	PHLN-08G4.0-SST		16	
86	Relay Holder	Phoenix Contact relay Module	Relays	PLC-BPT-24DC/21 - 2900445		90	
87	Pressure Transmitter	10kPa / 400kPa	Transmitter	PMC71-ABA1CHGAABE+JBZ1		3	
88	Pressure Transmitter	25kPa / 500kPa	Transmitter	PMC71-ABA1EHGAABE+JBZ1		1	
89	Differential Pressure Transmitter	3kPa / 16MPa	Transmitter	PMD75-ABJ7CH1DABE+JBZ1		2	
90	Differential Pressure Transmitter	50kPa / 16MPa	Transmitter	PMD75-ABJ7FH1DABE+JBZ1		5	

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91	Differential Pressure Transmitter	4MPa / 16MPa	Transmitter	PMD75-ABJ7MH1DABE+JBZ1		1	
92	Differential Pressure Transmitter	300kPa / 42MPa	Transmitter	PMD75-ABJ8HH1DABE+JBZ1		1	
93	Differential Pressure Transmitter	1,6MPa / 42MPa	Transmitter	PMD75-ABJ8LH1DABE+JBZ1		2	
94	Differential Pressure Transmitter	4MPa / 42MPa	Transmitter	PMD75-ABJ8MH1DABE+JBZ1		2	
95	Pressure Transmitter Explosion proof	100kPa / 1MPa	Transmitter	PMP71-1BA1HH1GAABE+JBKDZ1		1	
96	Pressure Transmitter Explosion proof	200kPa / 2MPa	Transmitter	PMP71-1BA1KH1GAABE+JBKDZ1		1	
97	Pressure Transmitter	100kPa / 1MPa	Transmitter	PMP71-ABA1HH1GAABE+JBZ1		2	
98	Pressure Transmitter	200kPa / 2MPa	Transmitter	PMP71-ABA1KH1GAABE+JBZ1		1	
99	Pressure Transmitter	400kPa / 2800kPa	Transmitter	PMP71-ABA1MH1GAABE+JBZ1		3	
100	Pressure Transmitter Explosion proof	1MPa / 4MPa	Transmitter	PMP71-ABA1PH1GAABE+JBKDZ1		1	
101	Pressure Transmitter	1MPa / 4MPa	Transmitter	PMP71-ABA1PH1GAABE+JBZ1		3	
102	Pressure Transmitter		Transmitter	PMP71-ABA1SB1GAAAA		5	
103	Pressure Transmitter	4MPa / 16MPa	Transmitter	PMP71-ABA1SH1GAABE+JBZ1		3	
104	Pressure Transmitter	10MPa / 40MPa	Transmitter	PMP71-ABA1UH1GAABE+JBZ1		2	
105	Pressure Transmitter	40MPa / 60MPa	Transmitter	PMP71-ABA1WH1GAABE+JBZ1		5	
106	Pressure Transmitter	70MPa / 105MPa	Transmitter	PMP71-ABA1XH1GAABE+JBZ1		3	

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107	Absolute Pressure Transmitter	200kPa abs / 2MPa	Transmitter	PMP71-ABA2KH1GAABE+JBZ1		1	
108	Absolute Pressure Transmitter	400kPa abs 2800/ kPa	Transmitter	PMP71-ABA2MH1GAABE+JBZ1		1	
109	Absolute Pressure Transmitter	4MPa abs / 16MPa	Transmitter	PMP71-ABA2SH1GAABE+JBZ1		1	
110	Metal diaphragm seal Pressure Transmitter	1MPa / 4MPa	Transmitter	PMP75-ABA1PH1B31BE+JBKEZ1		4	
111	Metal diaphragm seal Pressure Transmitter	4MPa / 16MPa	Transmitter	PMP75-ABA1SH1B31BE+JBKEZ1		2	
112	Power Supply Module 24v 30 W	1AC/24DC/30W	Module	PS24-1		11	
113	Phoenix 24 vdc 5 A Power supply	Phoenix 24 vdc 5 A Power supply	Module	QUINT4-PS1AC/24DC/5		4	
114	Relay 24 v	Plug-in miniature power relay	Relays	REL-MR-24DC/21AU		110	
115	Gauge Valve (12 mm connection)	Double Pressure Gauge Valve DIN16272 Design B Pipe Connection: SWAGELOK 12 (two ferrule design) LOW DUTY	valve	S004.60.227.36		19	
116	Gauge Valve (Weld in connection)	Gauge Valve DIN16272 Form B (High Duty)	valve	S004.60.227.37		22	
117	Sealing Washers	Sealing Washers DIN837-1 S006.03.003 (Copper)	valve	S006.03.003		300	
118	SS 14 mm weld in T-Piece	Weld in T-Piece 14 mm	Field equipment	S006.40.101		90	
119	Mounting Bracket Kit (Multi-Way Cock)	Mounting Bracket for mounting Multi-Way Cock with Bulkhead Connectors to a panel or wall	Field equipment	S006.42.203.06		20	
120	Pressure Gauge Accessories	Nipple Connection for High Duty	Field equipment	S007.45.202.02		300	
121	Multi-Way Cock PN 100	Multi-Way Cock PN 100 with Bulkhead Connector Tube Fitting Size 12S (LOW DUTY) Multi-way cock PN100 DN5 Inlet + Blow off: SWAGELOK 12	Field equipment	S345.06.204.08		4	
122	Multi-Way Cock PN 100 (weld in)	(HIGH DUTY) Multi-way cock PN100 DN5 Inlet: Welding Nipple // Blow off: SWAGELOK 14	Field equipment	S345.06.204.09		3	
123	5- valve manifold 12mm connection	LOW DUTY 5-Valve Manifold PN420 DN5 Pipe Connection: SWAGELOK 12 two ferrule design	Field equipment	S541.38.226,10		37	
124	5-Valve Manifold weld in and vent	HIGH DUTY 5-Valve Manifold PN420 DN5 Pipe Connection: welded	Field equipment	S541.38.236,04		7	
125	Surge Protection device	Surge Suppressor Unit 22 V ac, 32 V dc Maximum Voltage Rating 20kA Maximum Surge Current Surge Protection Device, Mounting Type: DIN Rail	Module	SD32X		24	

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