



پیمانکار: شرکت پیشرو حامیان انرژی

Project Name:

PLC PANEL



کارفرما : HSE Group

MR No.: -

Titel: Part List

Issued Date: 03/11/27

Panel Name: PLC Panel

Vendor Doc. No.:

SA-042-PL-PLC-031127-00

Rev: 00

ITEM	Cat.	DESCRIPTION (English)	ORDER CODE	MANUFACTUR	Main PLC Panel
1	PLC Modules	SIMATIC S7-400H, CPU 414-5H, central processing unit for S7-400H and S7-400F/FH, 5 interfaces: 1x MPI/DP, 1x DP, 1x PN and 2 for sync modules, 4 MB memory (2 MB data/2 MB program),	6ES7414-5HM06-0AB0	SIEMENS	2
2	PLC Modules	Communications processor CP 443-1; 2x 10/100 Mbit/s (IE switch); RJ45 ports; ISO; TCP; UDP; PROFINET IO controller; S7 communication; Open communication (SEND/ RECEIVE); S7 routing; IP configuration via DHCP/ Block; IP Access control list; time-of-day synchronization; extended web diagnostics; Fast Startup; Support for PROFinergy;	6GK7443-1EX30-0XE0	SIEMENS	2
3	PLC Modules	SIMATIC S7, memory card for S7-400, long design, 5V Flash EPROM, 8 Mbyte	6ES7952-1AM00-0AA0	SIEMENS	2
4	PLC Modules	SIMATIC S7-400, Power supply PS407: 10 A, wide range, UC 120/230V, 5 V DC/10 A	6ES7407-0KR02-0AA0	SIEMENS	2
5	PLC Modules	SIMATIC S7-400, Backup battery 3.6 V/2.3 AH for PS 405 4 A/10 A/20 A and PS 407 4 A/10 A/20 A	6ES7971-0BA00	SIEMENS	4
6	PLC Modules	SIMATIC S7-400H, rack UR2-H, central and distributed with 2 x 9 slots,	6ES7400-2JA00-0AA0	SIEMENS	1
7	PLC Modules	SIMATIC S7-400H, Synchronization module V6 for patch cable to 10 m	6ES7960-1AA06-0XA0	SIEMENS	2
8	PLC Modules	SIMATIC S7-400H, Patch cable FOC 1 m for synchronization module	6ES7960-1AA04-5AA0	SIEMENS	2



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9	PLC Modules	SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, Insulation displacement method FastConnect, With PG receptacle 15.8x 59x 35.6 mm (BxHxD)	6ES7972-0BB52-0XA0	SIEMENS	2
10	PLC Modules	PROFIBUS FC Standard Cable GP, bus cable 2-wire, shielded, special configuration for quick assembly, Delivery unit: max. 1000 m, minimum order quantity 20 m sold by the meter	6XV1830-0EH10	SIEMENS	2
11	PLC Modules	Industrial Ethernet FC TP Standard cable, GP 2x2 (PROFINET Type A), TP installation cable for connection to IE FC RJ45 2x2, for universal use, 4-core, shielded CAT 5E, sold by the meter, delivery unit max. 4000 m minimum order quantity 20 m.	6XV1840-2AH10	SIEMENS	2
12	PLC Modules	Industrial Ethernet FastConnect RJ45 plug 180 2x 2, RJ45 plug-in connector (10/100 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC TP cable 2x 2; 180° cable outlet 1 pack = 1 unit.	6GK1901-1BB10-2AA0	SIEMENS	4
13	PLC Modules	SIMATIC HMI TP1900 Comfort, Comfort Panel, Touch operation, 19" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP	6AV2124-0UC02-0AX1	SIEMENS	1
14	PLC Modules	SIMATIC SD memory card 2 GB secure digital card for devices with corresponding slot, scope of supply: 1 memory card	6AV2181-8XP00-0AX0	SIEMENS	3
15	PLC Modules	SIMATIC S7-300, Digital input SM 321, isolated, 16 DI, 24 V DC, 1x 20-pole	6ES7321-1BH02-0AA0	SIEMENS	2



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16	PLC Modules	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY PCS ISOLATED 32DI, 24 V DC, 1 X 40 PIN	6ES7321-1BL00-0AA0	SIEMENS	1
17	PLC Modules	SIMATIC S7/PCS7, digital output SM 322, 16 DO; 24 V DC / 0.5 A, diagnostics-capable, wire break detection with 0 and 1 signal, 1 x 40-pole, interface IM 153-X HF required	6ES7322-8BH10-0AA0	SIEMENS	2
18	PLC Modules	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A, 1 X 40 PIN, SUM OF OUTPUT CURRENTS 4A/GROUP (16A/MODULE)	6ES7322-1BL00-0AA0	SIEMENS	1
19	PLC Modules	SIMATIC DP, HART analog input SM 331, 8 AI, 0/4 - 20 mA HART, for ET200M with IM153-2, 1 x 20-pole, Functions: FW update, HART auxiliary variables, redundancy, local diagnostic buffer with time stamping	6ES7331-7TF01-0AB0	SIEMENS	4
20	PLC Modules	SIMATIC S7-300, Analog output SM 332, isolated, 4 AO, U/I; diagnostics; resolution 11/12 bits, 20-pole, removing and inserting possible with active backplane bus	6ES7332-5HD01-0AB0	SIEMENS	1
21	PLC Modules	SIMATIC S7-300, RAIL L=530MM	6ES7390-1AF30-0AA0	SIEMENS	1
22	PLC Modules	SIMATIC DP, Connection ET 200M IM 153-2 High Feature for max. 12 S7-300 modules with redundancy capability, Timestamping suitable for isochronous mode New features: up to 12 modules can be used Slave INITIATIVE for Drive ES and Switch ES Expanded quantity structure for HART auxiliary variables Operation of the 64-channel modules 32 signals/slo	6ES7153-2BA10-0XB0 6ES7972-0BB70-0XA0	SIEMENS	1



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23	Panel	SMART Current Driver	KCD2-SCD-EX1	PEPPERL-FUCHS	3
24	Panel	Solenoid Driver	KFD0-SD2-EX1-1180	PEPPERL-FUCHS	4
25	Panel	Switch Amplifier	KCD2-SR-EX1.LB	PEPPERL-FUCHS	12
26	Panel	Universal Temperature Converter	KFD2-UT2-EX1	PEPPERL-FUCHS	3
27	Panel	SMART Transmitter Power Supply KCD2-STC-Ex1	KCD2-STC-EX1	PEPPERL-FUCHS	1
28	Panel	Universal Power Rail UPR-03-S	UPR-03-S	PEPPERL-FUCHS	1
29	Panel		3030323, 3030310 , 3030297 ,3030365 , 3030271 ,3030242	PHOENIX	5
30	Panel	CLIPFIX 35 - End bracket	3022218	PHOENIX	50
31	Panel	Knife-disconnect terminal block	3046278	PHOENIX	120
32	Panel	Feed-through terminal block - UT6	3044131	PHOENIX	31
33	Panel	Feed-through terminal block - UT35	3044225	PHOENIX	6
34	Panel	Knife-disconnect terminal block - UT 2,5-MT-P/P	3046375	PHOENIX	560
35	Panel	Feed-through terminal block - UT6	3044131	PHOENIX	16
36	Panel	Feed-through terminal block - UT35	3044225	PHOENIX	4



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37	Panel	QUINT4-PS/1AC/24DC/40 - Power supply unit	2904603	PHOENIX	4
38	Panel	QUINT-DIODE/12-24DC/2X20/1X40 - Redundancy module	2320157	PHOENIX	2
39	Panel	UT 6-HESILED 24 (6,3X32) - Fuse modular terminal block	3046414,02153.15HXP	PHOENIX	27
40	Panel	UT 6-HESILED 24 (6,3X32) - Fuse modular terminal block	3046414,0215005.HXP	PHOENIX	1
41	Panel	UT 6-HESILED 24 (6,3X32) - Fuse modular terminal block	3046414,0215250.HXP	PHOENIX	24
42	Panel	UT 6-HESILED 24 (6,3X32) - Fuse modular terminal block	3046414,0215002.HXP	PHOENIX	8
43	Panel	PLT-SEC-T3-230-FM-UT - Type 3 surge protection device	2907919	PHOENIX	2
44	Panel	INTERFACE RELAY 24VDC	2966171	PHOENIX	52
45	Panel	MCB 6A, 1P+N, 10KA- AC-TYPE C	5SL4505-7	SIEMENS	4
46	Panel	MCB 10A, 1P+N, 10KA- AC-TYPE C	5SL4510-7	SIEMENS	4
47	Panel	MCB 16A, 1P+N, 10KA- AC-TYPE C	5SL4516-7	SIEMENS	4
48	Panel	MCB 20A, 1P+N, 10KA- AC-TYPE C	5SL4520-7	SIEMENS	5
49	Panel	ABB Grey 1 Gang Plug Socket, 13A, Type G - British ...	M1363	ABB	1



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50	Panel	Thermostat, 1Position(NO), 230VAC, 0~60 °C, Blue Knob	3110.000 RITTAL	RITTAL	2
51	Panel	Filter 25x25	3240.100 RITTAL -TOP TURN	RITTAL	2
52	Panel	Panel Light 8W,230Vac	2500.310, 2500.400 RITTAL	RITTAL	2
53	Panel	Earth Rail-450 mm	7113000	RITTAL	4
54	Panel	Confort handle for lock insert, RAL 7035	8611020, TS 8611.20	RITTAL	4
55	Panel	PANEL	8901.41	RITTAL	2