






 پیمانکار: شرکت پیشرو حامیان انرژی			Project Name:		 کارفرما : HSE Group		
			PLC PANEL				
MR No.: -			Titel: Part List		Issued Date: 03/1/27		
Panel Name: PLC Panel			Vendor Doc. No.:		Rev: 00		
			SA-042-PL-PLC-031127-00				
ITEM	Cat.	DESCRIPTION (English)	ORDER CODE	MANUFACTUR	Main PLC Panel		
1	PLC Modules	SIMATIC S7-1200, Communication module CM 1241, RS422/485, 9-pole D-sub (socket) supports Freeport	6ES7241-1CH32-0XB0	SIEMENS			1
2	PLC Modules	SIMATIC S7-1200, CPU 1217C, compact CPU, DC/DC/DC, 2 PROFINET ports onboard I/O: 10 DI 24 V DC; 4 DI RS-422/485; 6 DO 24 V DC; 0.5 A; 4 DO RS-422/485; 2 AI 0-10 V DC, 2 AO 0-20 mA power supply: DC 20.4-28.8 V DC, program/data memory 250 KB	6ES7217-1AG40-0XB0	SIEMENS			1
3	PLC Modules	SIMATIC S7-1200, Digital I/O SM 1223, 16 DI/16 DO, 16 DI 24 V DC, Sink/Source, 16 DO, transistor 0.5 A	6ES7223-1BL32-0XB0	SIEMENS			4
4	PLC Modules	SIMATIC S7-1200, Analog input, SM 1231, 8 AI, +/-10 V, +/-5 V, +/-2.5 V, or 0-20 mA/4-20 mA, 12 bit+sign or (13 bit ADC	6ES7231-4HF32-0XB0	SIEMENS			3
5	PLC Modules	Image similar SIMATIC S7-1200, Analog output, SM 1232, 4 AO, +/-10 V, 14-bit resolution, or 0-20 mA/4-20 mA, 13-bit resolution	6ES7232-4HD32-0XB0	SIEMENS			1
6	PLC Modules	SIMATIC HMI TP1200 Comfort, Comfort Panel, touch operation, 12" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable	6AV2124-0MC01-0AX0	SIEMENS			1
7	PLC Modules	Industrial Ethernet TP Cord RJ45/RJ45, CAT 6A, TP cable 4x2, pre-assembled with 2 RJ45 connectors, length 3 m.	6XV1870-3QH30	SIEMENS			1

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8	Panel		UPR-3S	PEPPERL-FUCHS	1	
9	Panel		KFD2-EB2	PEPPERL-FUCHS	1	
10	Panel		KCD2-STC-EX1	PEPPERL-FUCHS	22	
11	Panel		KFD2-SCD2-EX1 LK	PEPPERL-FUCHS	2	
12	Panel	Emergency Stop Push Botton	A22E-M-02	Omron	2	
13	Panel	Treminal Block, 1000V/125A/Gray/1.5-35mm2	UT 35	PHOENIX	4	
14	Panel	Treminal Block, 1000V/125A/Green -Yellow/1.5-35mm2	UT 35 -PE	PHOENIX	1	
15	Panel	Treminal Block, 1000V/125A/Green/1.5-35mm2	UT 35 - GN	PHOENIX	2	
16	Panel	Treminal Block, 500V/32A/Gray/0.14-4/4 connection mm2	UT 4/QUATTRO	PHOENIX	34	
17	Panel	Treminal Block, 500V/24A/Gray/0.14-2/5/4 connection mm2	UT 2.5/QUATTRO	PHOENIX	6	
18	Panel	Treminal Block, 8KV(Surge Voltage)/Green /Yellow /0.14-2.5 mm2	UT 2.5- PE	PHOENIX	5	
19	Panel	Treminal Block, 400V/20A/Gray/0.14-2.5mm2/Kniife Disconnect	UT 2.5-NT	PHOENIX	228	
20	Panel	Treminal Block, 1000V/24A/Green/0.14-2.5mm2	UT 2.5 -GN	PHOENIX	152	
21	Panel	Treminal Block, 24VDC/6.3A/Fuse (5*20)/LED /Black /0.14-4mm2	UT 4-HESI LED 24	PHOENIX	40	

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22	Panel	Treminal Block, 1000V/41A/Gray/0.14-4mm2	UT 4 MT	PHOENIX	40	
23	Panel	Treminal Block, 1000V/41A/Green/0.14-4mm2	UT 4-GN	PHOENIX	51	
24	Panel	Treminal Block, 400V/20A/Blue/0.14-2.5mm2/Kniife Disconnect	UT 2.5/NT/BU	PHOENIX	76	
25	Panel	Safty Relay ,24VAC-DC /8x1/1X2	PSR-SCP-24UC/ESAM4/8X1/1X2	PHOENIX	2	
26	Panel	Relay ,24VDC(Coil /230VAC -3A/24VDC-2/SPDT)	PLC-RSC-24DC /21	PHOENIX	46	
27	Panel	SSR, 24VDC (Coil / 3V...33VDC- 2A)	PLC-OSC24DC/24DC/2	PHOENIX	16	
28	Panel	Receptacle , 250 V /16A/CF Type	E0-CF-UT/LED/GN	PHOENIX	1	
29	Panel	power supply , 100-240 VAC/24VDC,20A	QUINT PS /1AC/24DC/20	PHOENIX	1	
30	Panel	power supply , 100-240 VAC/24VDC,10A	QUINT PS /1AC/24DC/10	PHOENIX	1	
31	Panel	MCB 16A, 2P, 10KA- 400VAC/60 VDC/16AT-TYPE C	5SY4216-7	SIEMENS	2	
32	Panel	MCB 10A, 2P, 10KA- 400VAC/60 VDC/10AT-TYPE C	5SY4210-7	SIEMENS	2	
33	Panel	MCB 02A, 2P, 10KA- 400VAC/60 VDC/02AT-TYPE C	5SY4202-7	SIEMENS	3	
34	Panel	MCB 6A, 1P, 10KA- 230VAC/60 VDC/6AT-TYPE C	5SY4106-7	SIEMENS	2	

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			C-031127-00			
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35	Panel	MCB 4A, 1P, 10KA- 230VAC/60 VDC/4AT-TYPE C	5SY4104-7	SIEMENS	4	
36	Panel	MCB 2A, 1P, 10KA- 230VAC/60 VDC/2AT-TYPE C	5SY4102-7	SIEMENS	1	
37		1-Busbar 5ST3735	VX5051.043/5051.045	RITTAL	1	
38		2-Busbar5ST3731	VX 8808.000/vx 8108.245	RITTAL	1	
39		3-Clips 35	SK3239.300	RITTAL	2	
40		4-DIN Rail 35	SZ2500.310	RITTAL	2	
41		5-Bridge FBST 500-PLC RD/BU	SK3239.700	RITTAL	1	
42		6-End Plate	SK3110.000	RITTAL	1	
43	Panel	7-Memory card: 6ES7954-8LF04-0AA0	SZ2514.000	RITTAL	1	
44	Panel	8-Plinth, front & rear, WH 800 x 100mm RAL 9005 VX 8640.003 RITTAL	VX 8660.003/VX8660.034	RITTAL	1	
45	Panel	9-IS/ISE/PE earth bar	VX8618.200/TS8611.180	RITTAL	1	
46	Panel	10-Cable duct	VX8618.8111	RITTAL	1	
42	Panel	60/48/24VDC				
43	Panel	Document Pocket ,228x254x17 (A4)				
44	Panel	Cabinet Encloser Base				
45	Panel	Cabinet Encloser Door Lock				
46	Panel	Cabinet Encloser Cable entry				

Please confirm that any required accessories considered for Rittal cabinet

Please add following items:

- 1-Busbar 5ST3735
- 2-Busbar5ST3731
- 3-Clips 35
- 4-DIN Rail 35
- 5-Bridge FBST 500-PLC RD/BU
- 6-End Plate
- 7-Memory card: 6ES7954-8LF04-0AA0
- 8-Plinth, front & rear, WH 800 x 100mm RAL 9005 VX 8640.003 RITTAL
- 9-IS/ISE/PE earth bar
- 10-Cable duct