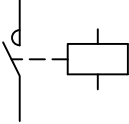
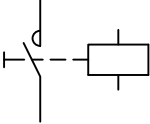
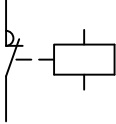
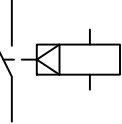
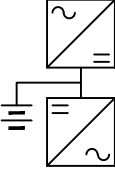
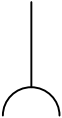
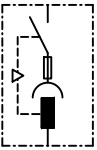
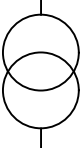


REF. SWITCHBOARD		[P-BMS-S]	1	2	3	4	5	6	7	8	9
END USER JOB ORDER SWITCHBOARD Paneli BMS Spitali											
SWITCHBOARD CHARACTERISICS UPSTREAM PLANT [KE-SR-S-U] VOLTAGE [V]400 FREQ. [Hz]50 SWITCHBOARD RATED CURRENT [A] SWITCHBOARD PERSPECTIVE CURRENT [kA]3,5 NEUTRAL SYSTEMTNS BUSBAR SIZE In [A] Isc [kA] STRUCTURE INSULATION CLASSIP											
REFERENCE STANDARD MOULDED CASE CIRCUIT BREAKERS☒ — IEC EN 60947-2 MINIATURE CIRCUIT BREAKERS☒ — IEC EN 60947-2 ☐ — IEC EN 60898 STRUCTURE☒ — IEC EN 61439-1 ☐ [											
		CUSTOMER				PROJECT Panelet Shenkoll		FILE		panelet_[Q07]_[P-BMS-S].dwg	
						ARCHIVE -		DATE		25/04/2026	
						DESIGNER -		PAGE		1	
		PLANT						DRAWING			

SYMBOLS

 CIRUIT BREAKER	 DISCONNECTOR	 SWITCH-DISCONNECTOR	 THERMAL PROTECTION	 MAGNETIC PROTECTION	 RESIDUAL CURRENT PROTECTION	 OVERLOAD CUT OUT	 FUSE	 TOROID	 MANUAL CONTROL
 AUTOMATIC CONTROL	 TRIP FREE	 ROTARY HANDLE	 INTERLOCK	 REMOVABLE/WITHDRAWAL EQUIPMENT	 KEYLOCK OFF POSITION	 KEYLOCK ON POSITION	 AUXILIARY CONTAC	 UNDERVOLTAGE RELEASE	 SHUNT RELEASE
 CHANGE OVER SWITCH (FOR MEASUREMENT)	 AMMETER	 VOLTMETER	 FREQUENCY METER	 METER	 NO CONTACTS CONTACTOR	 MANUAL CONTROL CONTACTOR	 NC CONTACTS CONTACTOR	 IMPULSE RELAY	 CLOCK
 TWILIGHT SWITCH	 ASTRONOMIC CLOCK	 UNINTERRUPTED POWER SYSTEM (UPS)	 SOCKET	 INTERLOCKED SOCKET WITH FUSES	 SOFT STARTER	 VARIABLE SPEED DRIVE	 STAR DELTA STARTER	 TRANSFORMER	 SURGE PROTECTIVE DEVICE

BASE

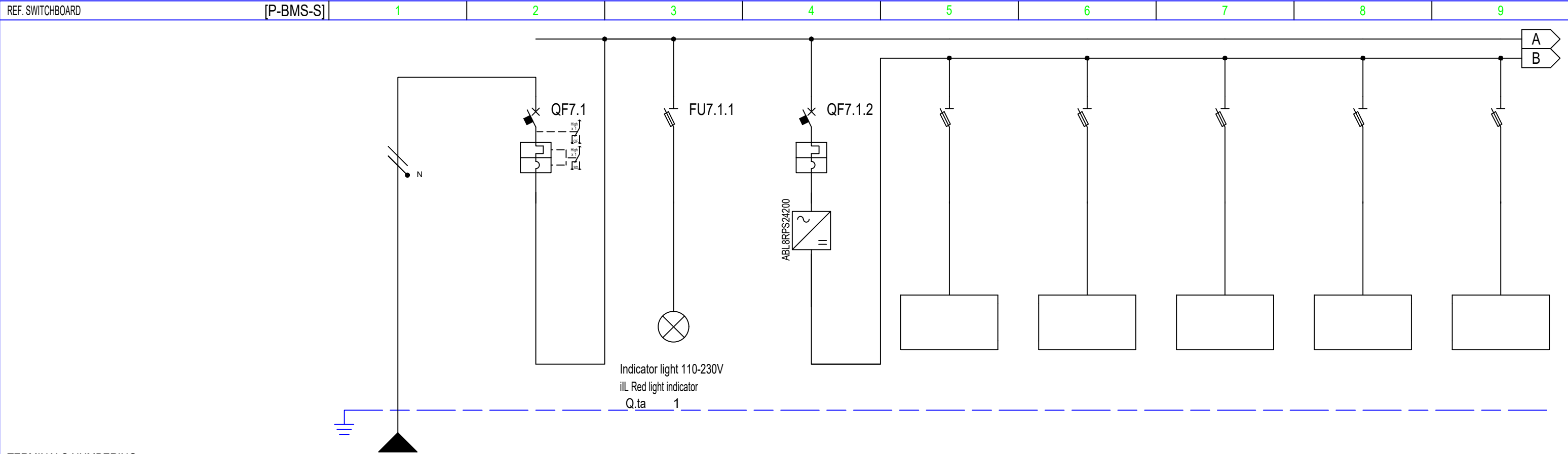
NOTE



- A complete reading of all the project drawings is necessary for the correct interpretation of the drawings and plants.
- The technical characteristics indicated on the drawing are the minimum required.
- The voltage drops shown are the overall ones from the LV side of the transformers or the incoming power line.
- The currents indicated for the UPS supply , take into account the batteries power consumption and the UPS efficiency.

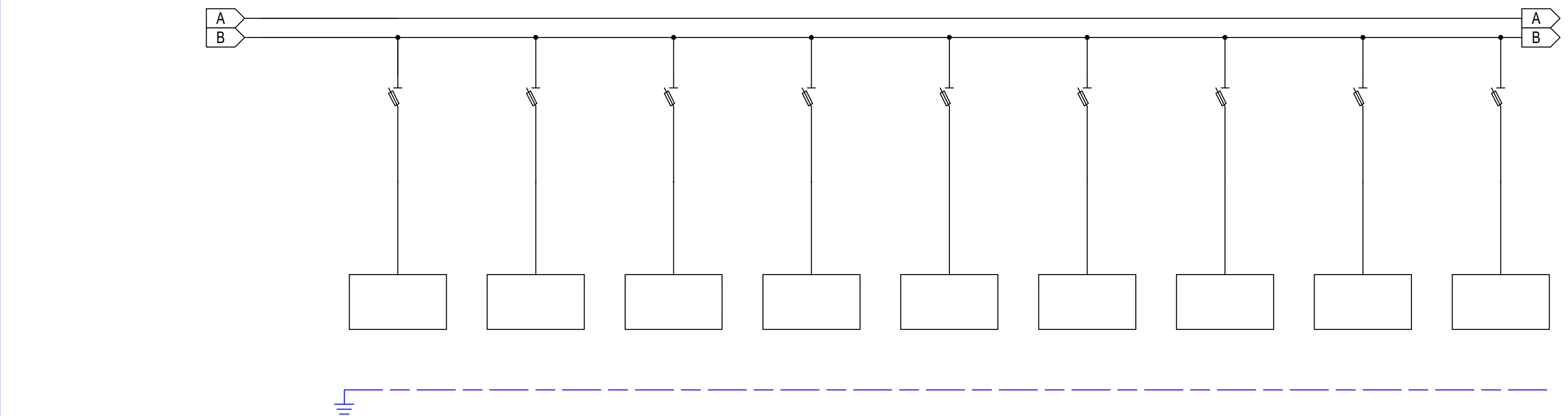
MicroLogic, MicroLogic X and ETS Electronic Trip Unit identification and description:

EN		Legend of abbreviations				MicroLogic 6.3 E-M (ComPacT NSX)				MicroLogic 5.0 H (ComPacT NS)				MicroLogic 2.0 X (MasterPacT MTZ)				ETS 2.2 (EasyPacT CVS)			
C.B. Type (Y) 2 = ComPacT NSX / CVS up to 250A 3 = ComPacT NSX / CVS 400-630 A 0 = Compact NS / MasterPacT MTZ		Type of protection (W) 1 SI 2 LS ₀ I 4 LS ₀ IR 5 LSI 6 LSIG 7 LSIR Type of Technology (J) X = Bluetooth / NFC		(Y)=C.B. Type (Z)=Type of Measurement (K)=Application		(Y)=C.B. Type (Z)=Type of Measurement		(Y)=C.B. Type (J)=Type of Technology		(Y)=C.B. Type		(Y)=C.B. Type		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection	
Type of Measurement (Z) A = Ammeter E = Energy P = Power H = Harmonics		Type of Technology (J) X = Bluetooth / NFC		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection		(W)=Type of protection	
Application (K) Distribution G = Generator AB = Subscriber M = Motor AL = Alarm without trip for earth-leakage protection		Electronic Trip Unit Type		(W)	(Y)	(Z)	(K)	(W)	(Y)	(Z)		(W)	(Y)	(J)		(W)	(Y)				
LSI		MicroLogic 1.3 M		SI	3	-	M	-	-	-		-	-	-		-	-				
LSIG		MicroLogic 2.2 G		LS ₀ I	2	-	G	-	-	-		-	-	-		-	-				
LSIR		MicroLogic 2.3		LS ₀ I	3	-	Distribution	-	-	-		-	-	-		-	-				
LSI		MicroLogic 2.3 M		LS ₀ I	3	-	M	-	-	-		-	-	-		-	-				
LSIG		MicroLogic Vigi 4.2		LS ₀ IR	2	-	Distribution + earth Leakage	-	-	-		-	-	-		-	-				
LSIR		MicroLogic Vigi 4.3 AL		LS ₀ I	3	-	Distribution + earth Leakage	-	-	-		-	-	-		-	-				
LSI		MicroLogic 5.2 A		LSI	2	A	Distribution	-	-	-		-	-	-		-	-				
LSIG		MicroLogic 5.3 E		LSI	3	E	Distribution	-	-	-		-	-	-		-	-				
LSIR		MicroLogic 6.3 E-M		LSIG	3	E	M	-	-	-		-	-	-		-	-				
LSI		MicroLogic Vigi 7.2 E-AL		LSI	2	E	Distribution + earth Leakage	-	-	-		-	-	-		-	-				
LSIR		MicroLogic Vigi 7.3 E		LSIR	3	E	Distribution + earth Leakage	-	-	-		-	-	-		-	-				
LSI		MicroLogic 2.0		-	-	-	-	LI	0	-		-	-	-		-	-				
LSIG		MicroLogic 5.0		-	-	-	-	LSI	0	-		-	-	-		-	-				
LSIR		MicroLogic 2.0 A		-	-	-	-	LI	0	A		-	-	-		-	-				
LSI		MicroLogic 5.0 A		-	-	-	-	LSI	0	A		-	-	-		-	-				
LSIG		MicroLogic 6.0 A		-	-	-	-	LSIG	0	A		-	-	-		-	-				
LSIR		MicroLogic 7.0 A		-	-	-	-	LSIR	0	A		-	-	-		-	-				
LSI		MicroLogic 2.0 E		-	-	-	-	LI	0	E		-	-	-		-	-				
LSIG		MicroLogic 5.0 E		-	-	-	-	LSI	0	E		-	-	-		-	-				
LSIR		MicroLogic 6.0 E		-	-	-	-	LSIG	0	E		-	-	-		-	-				
LSI		MicroLogic 5.0 P		-	-	-	-	LSI	0	P		-	-	-		-	-				
LSIG		MicroLogic 6.0 P		-	-	-	-	LSIG	0	P		-	-	-		-	-				
LSIR		MicroLogic 7.0 P		-	-	-	-	LSIR	0	P		-	-	-		-	-				
LSI		MicroLogic 5.0 H		-	-	-	-	LSI	0	H		-	-	-		-	-				
LSIG		MicroLogic 6.0 H		-	-	-	-	LSIG	0	H		-	-	-		-	-				
LSIR		MicroLogic 7.0 H		-	-	-	-	LSIR	0	H		-	-	-		-	-				
LSI		MicroLogic 2.0 X		-	-	-	-	-	-	-		LI	0	X		-	-				
LSIG		MicroLogic 5.0 X		-	-	-	-	-	-	-		LSI	0	X		-	-				
LSIR		MicroLogic 6.0 X		-	-	-	-	-	-	-		LSIG	0	X		-	-				
LSI		MicroLogic 7.0 X		-	-	-	-	-	-	-		LSIR	0	X		-	-				
LSIG		ETS 2.2		-	-	-	-	-	-	-		-	-	-		LS ₀ I	2				
LSIR		ETS 2.3		-	-	-	-	-	-	-		-	-	-		LS ₀ I	3				

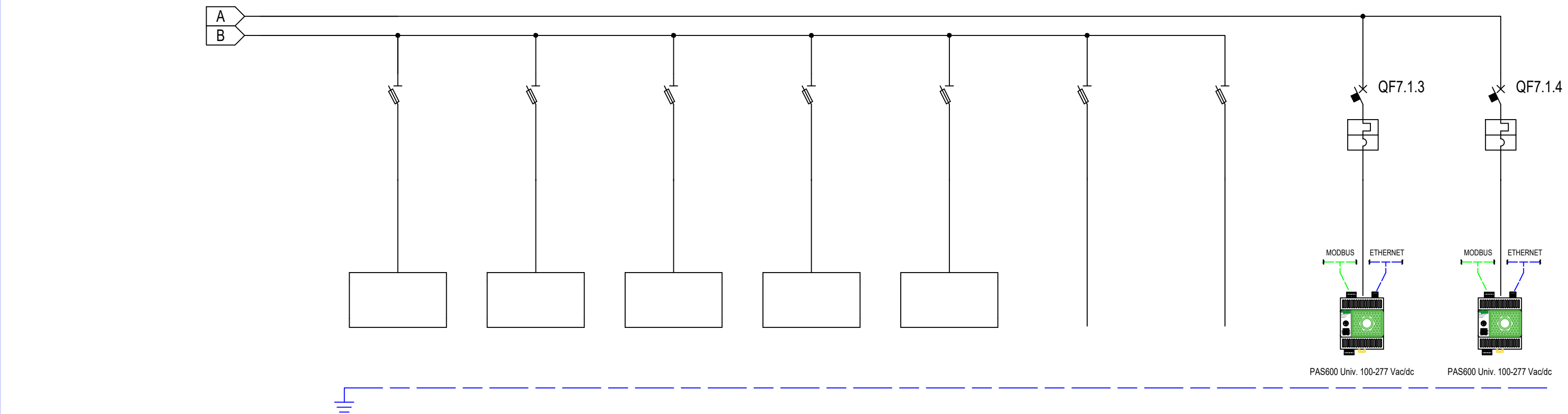


TERMINALS NUMBERING																																											
CIRCUIT NUMBERING				DISTRIBUTION			L3NPE	1			2		L3NPE	3		L3NPE	4		L3NPE	5		L3NPE	6		L3NPE	7		L3NPE	8		L3NPE												
CIRCUIT DESCRIPTION						Automati Kryesor			Automati Kryesor			Llampe Sinjali			Burim Ushqimi 24 VDC, 5 A			ASP Server Automatizmi			PLC 32 DI, 16 DO, 4 AI			Smartlink 1 Komanda			Smartlink 2 Komanda			Smartlink 3 Komanda													
EQUIPMENT									iC60 N			FUSE BASE			iC60 N			STI			STI			STI			STI			STI													
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]								20						20																												
	N. POLES			In [A]					2P			10					2P			6																							
	CURVE/TRIPPING UNIT								C						C																												
	Ir [A]			tr [s]					10								6																										
	tsd [s]			Isd [xIn / A]					100								60																										
	Ii [xIn]																																										
GROUND FAULT PROTECTION		Ig [A]			tg [s]																																						
RESIDUAL CURRENT DEVICE		N. POLES		In [A]		CLASS																																					
		Idn [A]			tdn [ms]																																						
		MODEL																																									
CONTACTOR		TYPE			CLASS																																						
IMPULSE RELAY		COIL		N. POLES		In [A]																																					
THERMAL RELAY		TYPE			I _{rth} [A]																																						
FUSE OR OTHER DEVICES		N. POLES		In [A]		Icu [kA]								3P+N		2		100																									
		MODEL			SIZE								STI32		10x38																												
CONDUCTORS		INSULATION		MATERIAL		INST.METHOD		XLPE		Copper		2 - A2																															
		CROSS SECTION PHASE-N-PE/PEN [mmq]						1x1,5		1x1,5		1x1,5																															
BOTTOM OF THE LINE		I _b [A]			P _n [kW]			0																																			
		U _n [V]			I _z [A]			230		18,5																																	
		I _{cc} min [kA]			I _{cc} max [kA]			0,7		1,7																																	
		LENGTH [m]			dV TOTAL [%]			1		2,5																																	
		CABLE DESIGNATION						FG16OM16-0,6/1 kV - Cca-s1b,d1,a1																																			

	CUSTOMER	PROJECT	Panelet Shenkoll		FILE	panelet [Q07] [P-BMS-S].dwg	
		ARCHIVE	-	DATE	25/04/2026	REVISION	R0.0
		DESIGNER	-	PAGE	3	NEXT	
	PLANT					DRAWING	



TERMINALS NUMBERING				9		10		11		12		13		14		15		16		17	
CIRCUIT NUMBERING				DISTRIBUTION		L3NPE		L3NPE		L3NPE		L3NPE		L3NPE		L3NPE		L3NPE		L3NPE	
CIRCUIT DESCRIPTION				Smartlink 4 Komanda		Smartlink 5 Komanda		Smartlink 6 Komanda		Smartlink 7 Komanda		Smartlink 8 Komanda		Smartlink 9 Komanda		Smartlink 10 Komanda		Smartlink 11 Komanda		Smartlink 12 Komanda	
EQUIPMENT				STI		STI		STI		STI		STI		STI		STI		STI		STI	
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]																				
	N. POLES		In [A]																		
	CURVE/TRIPPING UNIT																				
	I _r [A]		t _r [s]																		
	t _{sd} [s]		I _{sd} [xI _n / A]																		
	I _i [xI _n]																				
GROUND FAULT PROTECTION RESIDUAL CURRENT DEVICE	I _g [A]		t _g [s]																		
	N. POLES		In [A]	CLASS																	
	I _{dn} [A]		t _{dn} [ms]																		
	MODEL																				
CONTACTOR	TYPE		CLASS																		
IMPULSE RELAY	COIL	N. POLES	In [A]																		
THERMAL RELAY	TYPE		I _{rth} [A]																		
FUSE OR OTHER DEVICES	N. POLES	In [A]	Icu [kA]																		
	MODEL		SIZE																		
CONDUCTORS	INSULATION	MATERIAL	INST.METHOD																		
	CROSS SECTION PHASE-N-PE/PEN [mmq]																				
	I _b [A]		P _n [kW]																		
BOTTOM OF THE LINE	U _n [V]		I _z [A]																		
	I _{cc} min [kA]		I _{cc} max [kA]																		
	LENGTH [m]		dV TOTAL [%]																		
	CABLE DESIGNATION																				



TERMINALS NUMBERING

CIRCUIT NUMBERING				DISTRIBUTION		18	L3NPE	19	L3NPE	20	L3NPE	21	L3NPE	22	L3NPE	23	L3NPE	24	L3NPE	25	L3NPE	26	L3NPE	
CIRCUIT DESCRIPTION						Smartlink 13 Komanda		Smartlink 14 Komanda		Smartlink 15 Komanda		Smartlink 16 Komanda		Smartlink 17 Komanda		Rezerve Komanda		Rezerve		Gateway Matesa		Gateway Smartlink		
EQUIPMENT						STI		STI		STI		STI		STI		STI		STI		iC60 N		iC60 N		
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]																			20		20		
	N. POLES		In [A]																	2P		6		
	CURVE/TRIPPING UNIT																			C		C		
	I _r [A]		tr [s]																	6		6		
	tsd [s]		Isd [xIn / A]																	60		60		
	Ii [xIn]																							
GROUND FAULT PROTECTION	Ig [A]		tg [s]																					
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																			
	Idn [A]		tdn [ms]																					
	MODEL																							
CONTACTOR	TYPE		CLASS																					
IMPULSE RELAY	COIL		N. POLES		In [A]																			
THERMAL RELAY	TYPE		I _{rth} [A]																					
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]																			
	MODEL		SIZE																					
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD																			
	CROSS SECTION PHASE-N-PE/PEN [mmq]																							
BOTTOM OF THE LINE	I _b [A]		P _n [kW]																					
	U _n [V]		I _z [A]																					
	I _{cc} min [kA]		I _{cc} max [kA]																					
	LENGTH [m]		dV TOTAL [%]																					
CABLE DESIGNATION																								