

END USER

JOB ORDER

SWITCHBOARD
Skaner Onkologji

SWITCHBOARD CHARACTERISICS

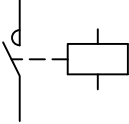
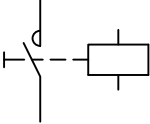
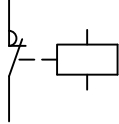
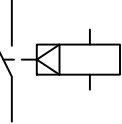
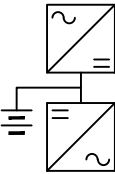
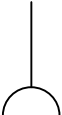
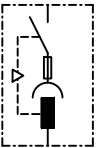
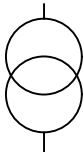
UPSTREAM PLANT
[KE-K-S]

VOLTAGE [V]	400	FREQ. [Hz]	50
SWITCHBOARD RATED CURRENT [A]			
SWITCHBOARD PERSPECTIVE CURRENT [kA]			14
NEUTRAL SYSTEM			TNS
BUSBAR SIZE			
In [A]		Isc [kA]	
STRUCTURE			
INSULATION CLASS			IP

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 ☐ [

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

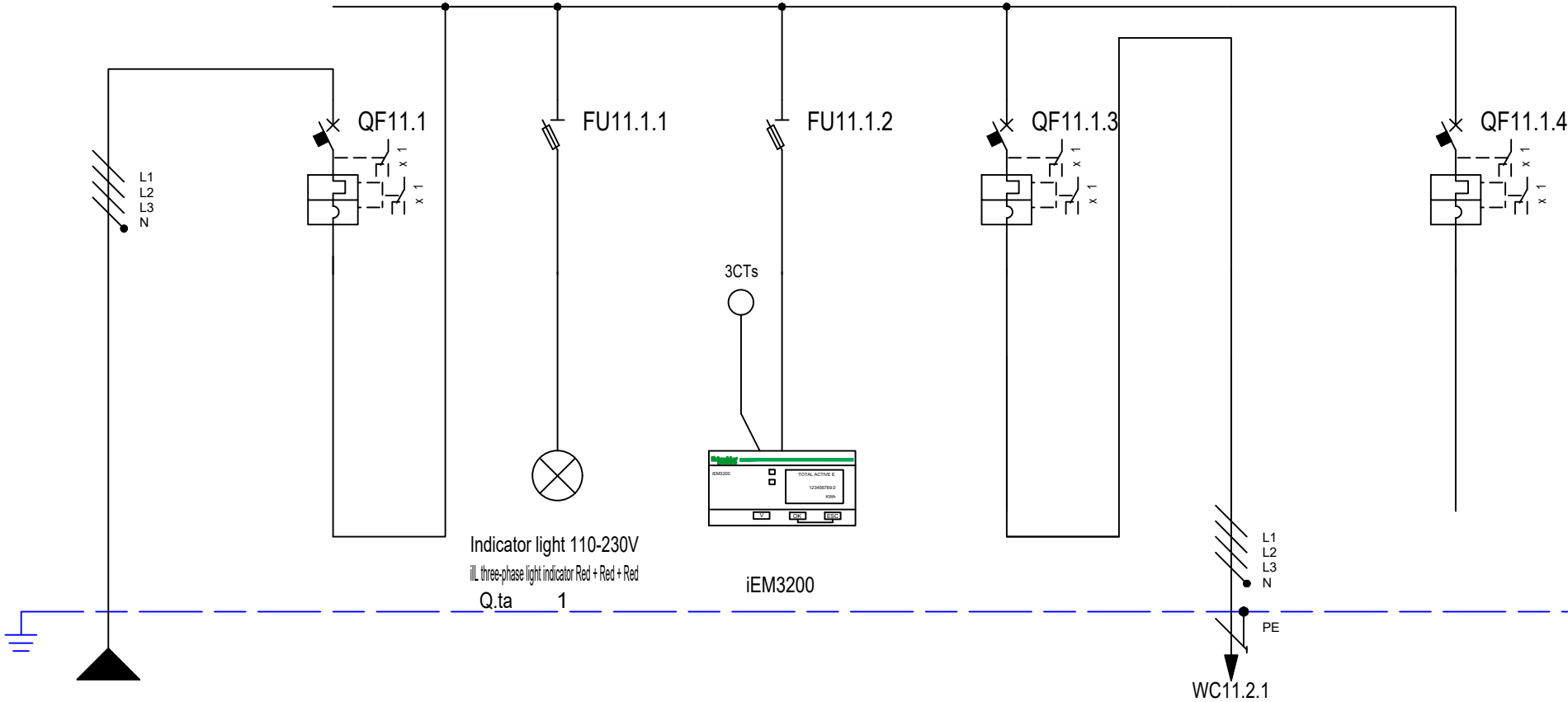


- A complete reading of all the project drawings is necessary for the correct interpretation of the drawings and plants.
- The technical characteristics indicated on the drawing are the minimum required.
- The voltage drops shown are the overall ones from the LV side of the transformers or the incoming 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		Electronic Trip Unit Type															
Type of Measurement (Z) A = Ammeter E = Energy P = Power H = Harmonics		(W)=Type of protection	(Y)=C.B. Type	(Z)=Type of Measurement	(K)=Application	(W)=Type of protection	(Y)=C.B. Type	(Z)=Type of Measurement		(W)=Type of protection	(Y)=C.B. Type	(J)=Type of Technology		(W)=Type of protection	(Y)=C.B. Type		
Application (K) Distribution G = Generator AB = Subscriber M = Motor AL = Alarm without trip for earth-leakage protection		(W)	(Y)	(Z)	(K)	(W)	(Y)	(Z)		(W)	(Y)	(J)		(W)	(Y)		
		MicroLogic 1.3 M	SI	3	-	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.2 G	LS ₀ I	2	-	G	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.3	LS ₀ I	3	-	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.3 M	LS ₀ I	3	-	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 4.2	LS ₀ IR	2	-	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 4.3 AL	LS ₀ I	3	-	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 5.2 A	LSI	2	A	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 5.3 E	LSI	3	E	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 6.3 E-M	LSIG	3	E	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 7.2 E-AL	LSI	2	E	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 7.3 E	LSIR	3	E	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.0	-	-	-	-	LI	0	-	-	-	-	-	-	-	-	-
		MicroLogic 5.0	-	-	-	-	LSI	0	-	-	-	-	-	-	-	-	-
		MicroLogic 2.0 A	-	-	-	-	LI	0	A	-	-	-	-	-	-	-	-
		MicroLogic 5.0 A	-	-	-	-	LSI	0	A	-	-	-	-	-	-	-	-
		MicroLogic 6.0 A	-	-	-	-	LSIG	0	A	-	-	-	-	-	-	-	-
		MicroLogic 7.0 A	-	-	-	-	LSIR	0	A	-	-	-	-	-	-	-	-
		MicroLogic 2.0 E	-	-	-	-	LI	0	E	-	-	-	-	-	-	-	-
		MicroLogic 5.0 E	-	-	-	-	LSI	0	E	-	-	-	-	-	-	-	-
		MicroLogic 6.0 E	-	-	-	-	LSIG	0	E	-	-	-	-	-	-	-	-
		MicroLogic 5.0 P	-	-	-	-	LSI	0	P	-	-	-	-	-	-	-	-
		MicroLogic 6.0 P	-	-	-	-	LSIG	0	P	-	-	-	-	-	-	-	-
		MicroLogic 7.0 P	-	-	-	-	LSIR	0	P	-	-	-	-	-	-	-	-
		MicroLogic 5.0 H	-	-	-	-	LSI	0	H	-	-	-	-	-	-	-	-
		MicroLogic 6.0 H	-	-	-	-	LSIG	0	H	-	-	-	-	-	-	-	-
		MicroLogic 7.0 H	-	-	-	-	LSIR	0	H	-	-	-	-	-	-	-	-
		MicroLogic 2.0 X	-	-	-	-	-	-	-	LI	0	X	-	-	-	-	-
		MicroLogic 5.0 X	-	-	-	-	-	-	-	LSI	0	X	-	-	-	-	-
		MicroLogic 6.0 X	-	-	-	-	-	-	-	LSIG	0	X	-	-	-	-	-
		MicroLogic 7.0 X	-	-	-	-	-	-	-	LSIR	0	X	-	-	-	-	-
		ETS 2.2	-	-	-	-	-	-	-	-	-	-	-	LS ₀ I	2	-	-
		ETS 2.3	-	-	-	-	-	-	-	-	-	-	-	LS ₀ I	3	-	-

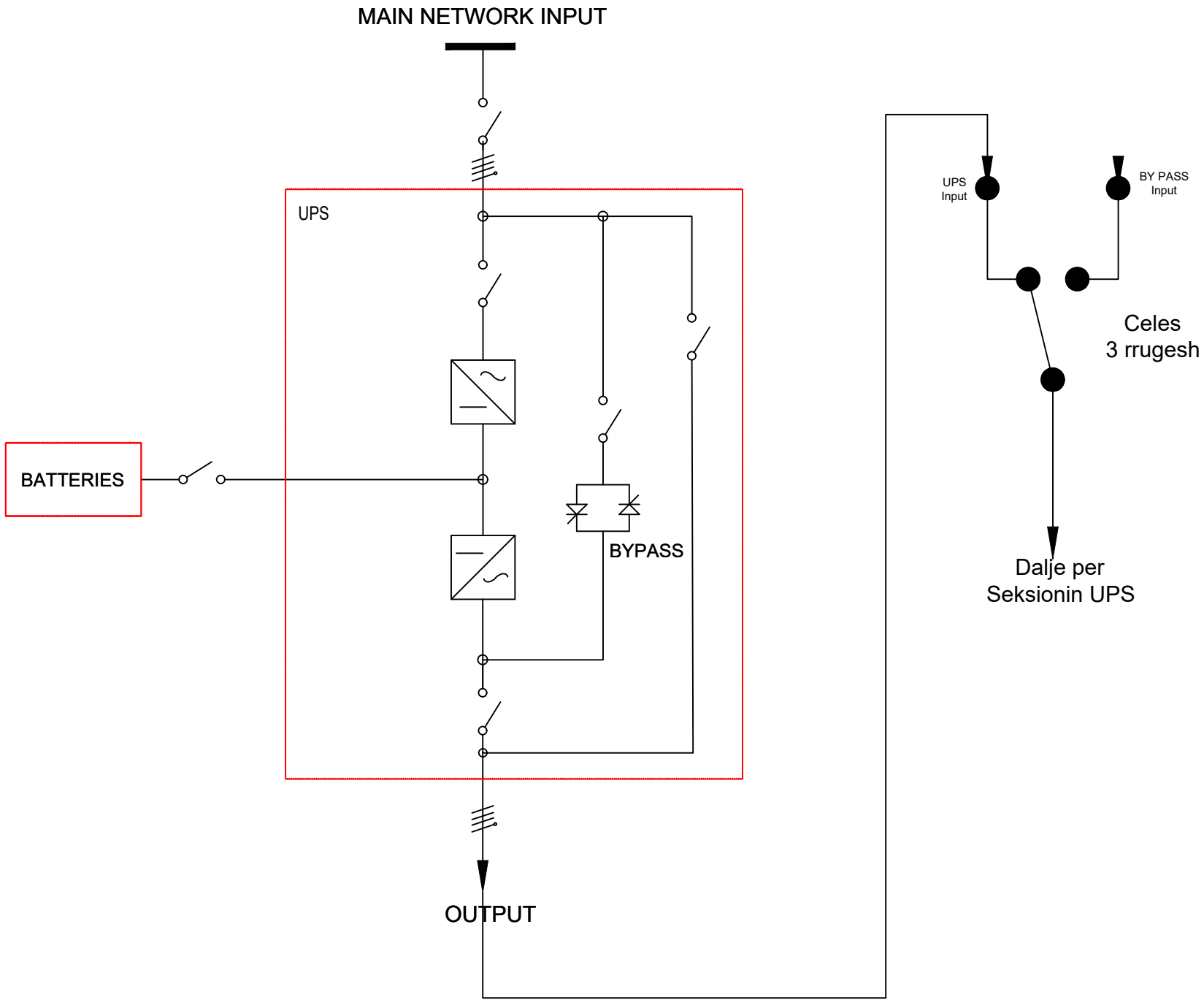
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	ARCHIVE	-	DATE 25/04/2026	REVISION R0.0
	DESIGNER	-	PAGE 2	NEXT
PLANT	TABLE			



TERMINALS NUMBERING																	WC11.2.1																																												
CIRCUIT NUMBERING				DISTRIBUTION					L1L2L3NPE		1				2		L1L2L3NPE		3		L1L2L3NPE		4		L1L2L3NPE		5		L1L2L3NPE		6		L1L2L3NPE																												
CIRCUIT DESCRIPTION							Automati Kryesor					Automati Kryesor					Llampe Sinjali					Multimeter					Furnizim UPS					5					BY PASS UPS																								
EQUIPMENT												ComPacT NSX250 B					FUSE BASE					FUSE BASE					ComPacT NSX160 B										ComPacT NSX160 B																								
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]											25										25										25																													
	N. POLES			In [A]								4P					250										4P					160										4P					160														
	CURVE/TRIPPING UNIT											Micrologic 2.2										Micrologic 2.2										Micrologic 2.2																													
	Ir [A]			tr [s]								200															150										144																								
	tsd [s]			Isd [xIn / A]													10x															10x																													
	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			3P+N					2		100																																
	MODEL			SIZE								STI32					10x38					STI32					10x38																																		
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD		XLPE		Copper		31 - E																							XLPE		Copper		5 - B2																							
	CROSS SECTION PHASE-N-PE/PEN [mmq]						1x95		1x95		1x95																						1x50		1x25		1x25																								
BOTTOM OF THE LINE	Ib [A]			Pn [kW]			149,4		102,5							102,5										102,5					149,4		102,5																												
	Un [V]			Iz [A]			400		217,5																						400		154																												
	Icc min [kA]			Icc max [kA]			3,8		14																						3,2		12,8																												
	LENGTH [m]			dV TOTAL [%]			55		2,2																						5		2,3																												
	CABLE DESIGNATION							FG16OM16-0,6/1 kV - Cca-s1b,d1,a1																				FG16OM16-0,6/1 kV - Cca-s1b,d1,a1																																	

MODEL	Easy UPS 3M
RATED POWER An [kVA]	80
RATED POWER Pn [kW]	80
BATTERY TYPE	Hermetic Lead
BATTERY LIFE [min]	10
THDI [%]	3
TYPE OF TECHNOLOGY	on-line
VOLTAGE IN [V]	400
VOLTAGE OUT [V]	400
EFFICIENCY	0,96
EFFICIENCY EConversion	N/A
NETWORK CARD	Yes
AUX CONTACTS CARD	Yes

CONFIGURATION WITH SINGLE
ELECTRIC NETWORK



	CLIENT	PROJECT	Panelet Shenkoll		FILE	panelet_[Q12]_[UPS Skaner Onkologji].dwg	
		ARCHIVE	-	DATE	25/04/2026	REVISION	R0.0
		DESIGNER	-	PAGE	9	NEXT	10
	PLANT					DRAWING	

END USER

JOB ORDER

SWITCHBOARD
Skaner Onkologji

SWITCHBOARD CHARACTERISICS

UPSTREAM PLANT
[UPS Skaner Onkologji]

VOLTAGE [V]	400	FREQ. [Hz]	50
SWITCHBOARD RATED CURRENT [A]			
SWITCHBOARD PERSPECTIVE CURRENT [kA]			12,1
NEUTRAL SYSTEM			TNS
BUSBAR SIZE			
In [A]		Isc [kA]	
STRUCTURE			
INSULATION CLASS			IP

REFERENCE STANDARD

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