

Tanta University, faculty of engineering Computers & Control Engineering Department



Supervision of Assoc. Prof. Dr\ Mohammad Arafa Al-Badry

Project name Water Treatment Plant Automation using PLC and SCADA

Place of installation / Tanta university, Computers & Control Engineering Department

Implemenation of / Mohamed Adel Darwish

23/06/2023

12/07/2023

Abanoub Ashraf Labib

Abdallah Mohamed Abd El-Razik

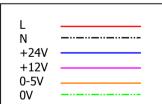
Tasbih Ahmed Attia Mostafa Esmail Arafat

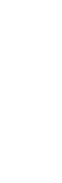
220VAC , 50HZ L,N

Control voltage / 220VAC , 50HZ / 24Vdc , 12Vdc , 5Vdc / 2 power supplies

Last EPLAN version used / 2.9.4

Potential color definition legend





Number of pages

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Project Name / Location

Graduation project / Tanta university

Power source /

Created on

Edit date

Project description

Water Treatment Plant Automation using PLC and SCADA

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Assoc. Prof. Dr\ Mohammad Arafa Al-Badry

Mohamed Adel Darwish Abanoub Ashraf Labib odallah Mohamed Abd El-Razik Tasbih Ahmed Attia Mostafa Esmail Arafat

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А	Symbol overview		IEC_symbol 93 PA Measuring instrument, with current display, ampmeter Measuring instrument, 2 connection points F25_001 A 1151 TISPQ Measuring transducer, ideal voltage source Measuring transducer, variable B						
	1	20029		20029			200	29 20029	
	S NO contact	11		$\begin{pmatrix} 1 \\ A \end{pmatrix}$		er, ideal voltage source			
В	NO auxiliary contact	1 ₂ 20029	Measuring instrument, 2 connection points	20029	Measuring transduce	er, variable	12 200	U 1 4 29 20029	
	20		98		1204			20029	
	K Electromechanical operating device, general / relay coil, general	20029	FA1 Circuit breaker, single-pole	20029	M2AIR AC motor, ventilator	/ fan		M ~	
С	Coil for power contactor	20029	Circuit breaker	20029	Single-coil motor wit	thout PE		T ₂ 20029	
Н	35		138	20029 20029 11 13	1352				
	SSD Pressure switch, NO contact	E\(\frac{20029}{1}\)	SSLRX Photoelectric switch, NO contact, with plug-in connection	+ -	X2_2 Terminal with 2 conr	nection points (1 x graphical line)		,	
D	Pushbutton, NO contact	2 20029	Light barrier, NO contact with power supply			vith saddle jumper, 2 connection poir			
Ш				20029					
	36 SOD	20029	169 SSNOT1	20029	1411 X1_B				
E	Pressure switch, NC contact	E	Emergency stop switch / Emergency stop pushbutton, NO conta	act (\)		onnection point and 2 saddle jumper		γ	
	Pushbutton, NC contact	'2 20029	Pushbutton, NO contact	'2 20029		vith saddle jumper, 1 connection poir	nt		
	45	2002	170	2000	1413				
_	Y1 Solenoid valve, general	20029	SONOT1 Emergency stop switch / Emergency stop pushbutton, NC conta	20029 L1 act (/	X2_NB Terminal with 2 conn	nection points without saddle jumper		,	
	Valve, single	20029	Pushbutton, NC contact	20029	connections Terminal, general, 2				
	46		283						
	46 H	20029 1	HSI	20029 1					
G	Lamp / indicator light, general	20029 11 2	Siren	C C					
Н	Lamp, single	20029	Signal device, acoustic, single	2 20029					
	56	20029 20029 11 13	313	20029					
н	G22		EH2	Ç					
	Rectifier, single-phase	==	Fluorescent lamp without PE						
	Rectifier, variable	20029 20029	Light, 2 connection points	1 ₂ 20029					
	92	20029	1150	20029 20029					
	PV Measuring instrument, with voltage display / voltmeter	(V)	TISTQ Measuring transducer, ideal current source						
	Measuring instrument, 2 connection points	12 20029	Measuring transducer, variable						
				20029 20029					
J								J	
F	Project Name / Location	Project description		Supervision of /		Mohamed Adel Darwish Abanoub Ashraf Labib	Page number	2 /10	
	Graduation project / Tanta university	Water Treatment	Plant Automation using PLC and SCADA	Assoc. Prof. Dr\ Mohammad	Arafa Al-Badry	Abdallah Mohamed Abd El-Ra Tasbih Ahmed Attia Mostafa Esmail Arafat	azik Scale Page Name	1 : 1 Symbol overview	

