



Tanta University , faculty of engineering
Computer & Automatic Control Department

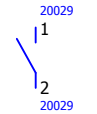
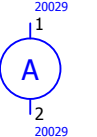
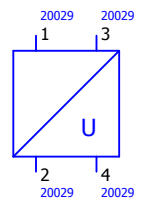
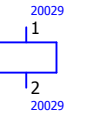
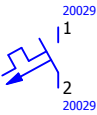
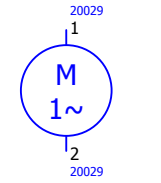
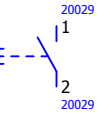
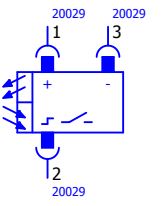

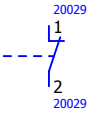
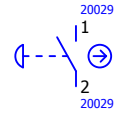

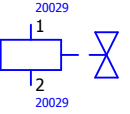
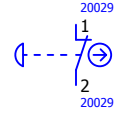

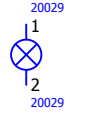
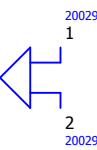
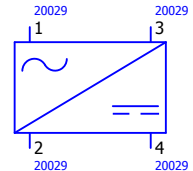
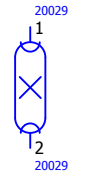
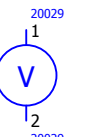
DATAM

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 & Automatic Control Department	
Implemenation of /	Mohamed Adel Darwish Abanoub Ashraf Labib Abdallah Mohamed Abd El-Razik Tasbih Ahmed Attia Mostafa Esmail Arafat	
Power source /	220VAC , 50HZ L,N	
Control voltage /	220VAC , 50HZ / 24Vdc , 12Vdc , 5Vdc / 2 power supplies	<div>Potential color definition legend</div> <div><div>L</div><div>N</div><div>+24V</div><div>+12V</div><div>0-5V</div><div>0V</div></div>
Last EPLAN version used /	2.9.4	
Created on	23/06/2023	
Edit date	12/07/2023	
		Number of pages 10

Symbol overview

IEC_symbol

F25_001

1 S NO contact NO auxiliary contact		93 PA Measuring instrument, with current display, ampmeter Measuring instrument, 2 connection points		1151 TISPQ Measuring transducer, ideal voltage source Measuring transducer, variable	
20 K Electromechanical operating device, general / relay coil, general Coil for power contactor		98 FA1 Circuit breaker, single-pole Circuit breaker		1204 M2AIR AC motor, ventilator / fan Single-coil motor without PE	
35 SSD Pressure switch, NO contact Pushbutton, NO contact		138 SSLRX Photoelectric switch, NO contact, with plug-in connection Light barrier, NO contact with power supply		1352 X2_2 Terminal with 2 connection points (1 x graphical line) Terminal, general, with saddle jumper, 2 connection points	
36 SOD Pressure switch, NC contact Pushbutton, NC contact		169 SSNOT1 Emergency stop switch / Emergency stop pushbutton, NO contact Pushbutton, NO contact		1411 X1_B Terminal with one connection point and 2 saddle jumper connections Terminal, general, with saddle jumper, 1 connection point	
45 Y1 Solenoid valve, general Valve, single		170 SONOT1 Emergency stop switch / Emergency stop pushbutton, NC contact Pushbutton, NC contact		1413 X2_NB Terminal with 2 connection points without saddle jumper connections Terminal, general, 2 connection points	
46 H Lamp / indicator light, general Lamp, single		283 HSI Siren Signal device, acoustic, single			
56 G22 Rectifier, single-phase Rectifier, variable		313 EH2 Fluorescent lamp without PE Light, 2 connection points			
92 PV Measuring instrument, with voltage display / voltmeter Measuring instrument, 2 connection points		1150 TISTQ Measuring transducer, ideal current source Measuring transducer, variable	