Totally Integrated Automation Portal		

FireFightingPumpRoomMonitoringSystem

Project							
Name:	FireFightingPumpRoomMonitoringSystem	**Creation time:**	5/11/2023 5:38:49 AM	**Last change**	5/11/2023 11:47:01 AM	**Author:**	MahmoudSalama
Last modified by:	PLC Traning	**Version:**					
Comment:							

Operating system	
Name	**Description**
Operating system	Microsoft Windows 10 Pro
Version of the operating system	6.3.9600.0
Operating system service pack	
Version of the Internet Explorer	11.789.19041.0
Computer name	MMUHAMED-D1
User name	GULSANEGYPT\Mmuhamed
Installation path of the TIA Portal	C:\Program Files\Siemens\Automation\Portal V16

Components		
Name	**Version**	**Release**
TIA Portal Project Server V16 - TIA Portal Project Server Single SetupPackage V16.0 (MUSERVERV16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - SIMATIC S7-PLCSIM V16.0 (S7_PLCSIM_V16)	V16.0	V16.00.00.00_31.00.13.01
TIA Administrator - AWB Licensing Module V1.0 + SP2 (TIAADMIN)	V1.0 + SP2	V01.00.02.00_01.10.00.01
TIA Administrator - AWB Software Management V1.0 + SP2 (TIAADMIN)	V1.0 + SP2	V01.00.02.00_01.10.00.01
TIA Administrator - TIA UMC Agent Configurator Module V1.0 + SP2 (TIAADMIN)	V1.0 + SP2	V01.00.02.00_01.10.00.01
TIA Administrator - TIA Administrator V1.0 SP2 (TIAADMIN)	V1.0 + SP2	V01.00.02.00_01.10.00.01
Siemens Totally Integrated Automation Portal V16 - HM All Editions Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - HM NoBasic Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Hardware Support Base Package 0 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Multiuser Client Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Version Control Interface SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - STEP 7 Safety Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - STEP 7 Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Hardware Support Base Package 02 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Hardware Support Base Package 03 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Hardware Support Base Package 04 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Support Base Package TO-01 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Support Base Package TO-02 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - Hardware Support Base Package WCF-01 V16.0 (TIAP16)	V16.0	V16.00.00.00_27.01.00.01
Siemens Totally Integrated Automation Portal V16 - TIACOMPCHECK Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Simatic Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - WinCC Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Openness SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - WinCC Transfer Mandatory Single SetupPackage V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
User Management Component - UserManagementComponentx64 V2.7 (UMC64)	V2.7	V02.07.00.00_04.06.00.07
WinCC Runtime Advanced V16.0 - HMIRTM Tagging Package 01 Single SetupPackage V16.0 (HMIRTM_V11)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - Simatic Single SetupPackage 32 Bit V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
Siemens Totally Integrated Automation Portal V16 - WinCC Single SetupPackage 32 Bit V16.0 (TIAP16)	V16.0	V16.00.00.00_31.02.00.01
SIMATIC HMI License Manager Panel Plugin (x64)	16.0.0.0	V16.00.00.00_31.02.00.01
SIMATIC WinCC Runtime Advanced Driver (x64)	16.0.0.0	V16.00.00.00_31.02.00.01
ETWEventCollector	16.0.0.0	V16.00.00.00_31.02.00.01
SIMATIC NCM FWL 64	5.6.0.3	K5.6.0.3_1.1.0.2
NCM GPRS 64	01.02.00.00	V1.2.0.0_2.1.0.1
SIMATIC PLCSIM 64	16.00.00	16.00.00.00_01.00.02.01
SIMATIC Device Drivers	9.2	09.02.04.00_01.04.00.05
TelemetryConnector	1.0.2.57	V01.00.02.57_01.00.00.01
Automation Software Updater	02.05.0300	V02.05.03.00_01.01.00.29
SIEMENS OPC	3.9	03.09.10.00_01.04.00.08
SIMATIC HMI ProSave	16.0.0.0	V16.00.00.00_31.02.00.01
SIMATIC HMI Symbol Library	16.0.0.0	V16.00.00.00_31.02.00.01
SIMATIC HMI Touch Input	16.0.0.0	V16.00.00.00_31.02.00.01
SIMATIC Device Drivers WoW	29.2	29.02.04.00_01.04.00.05

Instrumentation Tools

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Name	Version	Release
SIMATIC Event Database	5.6	05.06.02.00_01.01.00.01
SeCon	2.6	V02.06.01.00_01.08.00.01
WinCC Runtime Advanced Simulator	16.0.0.0	V16.00.00.00_31.02.00.01

Products		
Name	**Version**	**Release**
TIA Portal Project Server	V16.0	V16.00.00.00_31.02.00.01
SIMATIC S7-PLCSIM	V16.0	V16.00.00.00_31.00.13.01
TIA Administrator	V1.0	01.00.02.00_01.10.00.01
SIMATIC STEP 7 Prof - STEP 7 Safety - WinCC Adv	V16.0	V16.00.00.00_31.02.00.01
User Management Component	V2.7	V02.07.00.00_00.00.00.00
SIMATIC WinCC Runtime Advanced Simulation	V16.0	V16.00.00.00_31.02.00.01
Automation License Manager	V6.0 + SP5 + Upd1	06.00.05.01_02.01.00.05
S7-PLCSIM	V5.4 + SP8	V05.04.08.01_01.24.00.01
SIMATIC ProSave	V16.0	V16.00.00.00_31.02.00.01
S7-PCT	V3.5 + SP1	K3.5.1.0_1.19.0.1

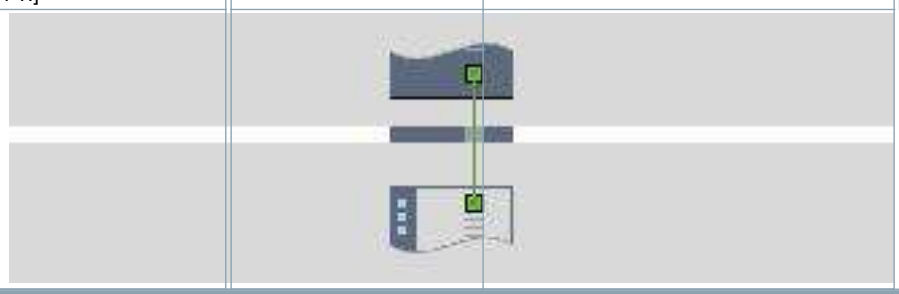
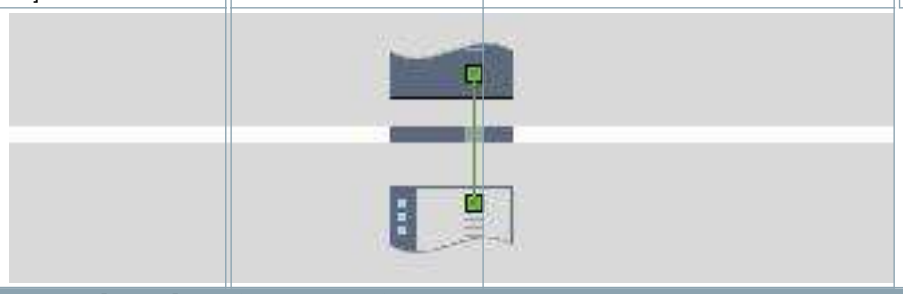
FireFightingPumpRoomMonitoringSystem

PLC_1 [CPU 1215C AC/DC/Rly]

PLC_1					
General\Project information					
Name	PLC_1	**Author**	Mmuhamed	**Comment**	
Slot	1	**Rack**	0		
General\Catalog information					
Short designation	CPU 1215C AC/DC/Rly	**Description**	Work memory 125 KB; 120/240VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x relay and AI2 and AQ2 on board; 6 high-speed counters and 4 pulse outputs on-board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 8 signal modules for I/O expansion; PROFINET IO controller, 2 ports, I-device, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, OPC UA: Server DA	**Article number**	6ES7 215-1BG40-0XB0
Firmware version	V4.4				
General\Identification & Maintenance					
Plant designation		**Location identifier**		**Installation date**	2023-05-11 05:41:44.509
Additional information					
General\Checksums					
Text lists	FA 70 E8 75 1D 5A 8E 29	**Software**	99 C9 86 E0 4F 08 91 66		
PROFINET interface [X1]\General					
Name	PROFINET interface_1	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\General\Project information					
Name	DI 14/DQ 10_1	**Comment**		**Name**	AI 2/AQ 2_1
Comment					
PROFINET interface [X1]\Ethernet addresses\Interface networked with					
Subnet:	Not connected				
PROFINET interface [X1]\Ethernet addresses\IP protocol					
IP configuration	Set IP address in the project	**IP address:**	192.168.0.1	**Subnet mask:**	255.255.255.0
Use router	False				
PROFINET interface [X1]\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	**Generate PROFINET device name automatically**	True	**PROFINET device name:**	plc_1
Converted name:	plcxb1d0ed	**Device number:**	0		
PROFINET interface [X1]\Time synchronization					
Enable time synchronization via NTP server	Enable time synchronization via NTP server		IP addresses	**Server 1**	0.0.0.0
Server 2	0.0.0.0	**Server 3**	0.0.0.0	**Server 4**	0.0.0.0
Update interval	10sec			**CPU synchronizes the modules of the device.**	No synchronization
PROFINET interface [X1]\Digital inputs\Channel0					
Channel address	I0.0	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel0					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49152	**Event name:**	0
Hardware interrupt:	0	**Rising edge0**	Rising edge0		
PROFINET interface [X1]\Digital inputs\Channel0					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49280	**Event name:**	0
Hardware interrupt:	0	**Falling edge0**	Falling edge0		
PROFINET interface [X1]\Digital inputs\Channel1					
Channel address	I0.1	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel1					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49153	**Event name:**	0
Hardware interrupt:	0	**Rising edge1**	Rising edge1		
PROFINET interface [X1]\Digital inputs\Channel1					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49281	**Event name:**	0
Hardware interrupt:	0	**Falling edge1**	Falling edge1		
PROFINET interface [X1]\Digital inputs\Channel2					
Channel address	I0.2	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel2					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49154	**Event name:**	0
Hardware interrupt:	0	**Rising edge2**	Rising edge2		
PROFINET interface [X1]\Digital inputs\Channel2					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49282	**Event name:**	0
Hardware interrupt:	0	**Falling edge2**	Falling edge2		
PROFINET interface [X1]\Digital inputs\Channel3					
Channel address	I0.3	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel3					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49155	**Event name:**	0
Hardware interrupt:	0	**Rising edge3**	Rising edge3		

PROFINET interface [X1]\Digital inputs\Channel3					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49283	**Event name:**	0
Hardware interrupt:	0	**Falling edge3**	Falling edge3		
PROFINET interface [X1]\Digital inputs\Channel4					
Channel address	I0.4	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel4					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49156	**Event name:**	0
Hardware interrupt:	0	**Rising edge4**	Rising edge4		
PROFINET interface [X1]\Digital inputs\Channel4					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49284	**Event name:**	0
Hardware interrupt:	0	**Falling edge4**	Falling edge4		
PROFINET interface [X1]\Digital inputs\Channel5					
Channel address	I0.5	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel5					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49157	**Event name:**	0
Hardware interrupt:	0	**Rising edge5**	Rising edge5		
PROFINET interface [X1]\Digital inputs\Channel5					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49285	**Event name:**	0
Hardware interrupt:	0	**Falling edge5**	Falling edge5		
PROFINET interface [X1]\Digital inputs\Channel6					
Channel address	I0.6	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel6					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49158	**Event name:**	0
Hardware interrupt:	0	**Rising edge6**	Rising edge6		
PROFINET interface [X1]\Digital inputs\Channel6					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49286	**Event name:**	0
Hardware interrupt:	0	**Falling edge6**	Falling edge6		
PROFINET interface [X1]\Digital inputs\Channel7					
Channel address	I0.7	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel7					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49159	**Event name:**	0
Hardware interrupt:	0	**Rising edge7**	Rising edge7		
PROFINET interface [X1]\Digital inputs\Channel7					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49287	**Event name:**	0
Hardware interrupt:	0	**Falling edge7**	Falling edge7		
PROFINET interface [X1]\Digital inputs\Channel8					
Channel address	I1.0	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel8					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49160	**Event name:**	0
Hardware interrupt:	0	**Rising edge8**	Rising edge8		
PROFINET interface [X1]\Digital inputs\Channel8					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49288	**Event name:**	0
Hardware interrupt:	0	**Falling edge8**	Falling edge8		
PROFINET interface [X1]\Digital inputs\Channel9					
Channel address	I1.1	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel9					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49161	**Event name:**	0
Hardware interrupt:	0	**Rising edge9**	Rising edge9		
PROFINET interface [X1]\Digital inputs\Channel9					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49289	**Event name:**	0
Hardware interrupt:	0	**Falling edge9**	Falling edge9		
PROFINET interface [X1]\Digital inputs\Channel10					
Channel address	I1.2	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel10					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49162	**Event name:**	0
Hardware interrupt:	0	**Rising edge10**	Rising edge10		
PROFINET interface [X1]\Digital inputs\Channel10					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49290	**Event name:**	0
Hardware interrupt:	0	**Falling edge10**	Falling edge10		
PROFINET interface [X1]\Digital inputs\Channel11					
Channel address	I1.3	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel11					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49163	**Event name:**	0
Hardware interrupt:	0	**Rising edge11**	Rising edge11		
PROFINET interface [X1]\Digital inputs\Channel11					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49291	**Event name:**	0
Hardware interrupt:	0	**Falling edge11**	Falling edge11		
PROFINET interface [X1]\Digital inputs\Channel12					
Channel address	I1.4	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel13					
Channel address	I1.5	**Input filters**	6.4 millisec	**Enable pulse catch**	0

PROFINET interface [X1]\Analog inputs\Noise reduction					
Integration time	50 Hz (20 ms)				
PROFINET interface [X1]\Analog inputs\Channel0					
Channel address	IW64	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Analog inputs\Channel1					
Channel address	IW66	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Digital outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface [X1]\Digital outputs\Channel0					
Channel address	Q0.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel1					
Channel address	Q0.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel2					
Channel address	Q0.2	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel3					
Channel address	Q0.3	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel4					
Channel address	Q0.4	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel5					
Channel address	Q0.5	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel6					
Channel address	Q0.6	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel7					
Channel address	Q0.7	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel8					
Channel address	Q1.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel9					
Channel address	Q1.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Operating mode					
IO controller	True	**IO system**		**Device number**	0
IO device	False				
PROFINET interface [X1]\Analog outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface [X1]\Analog outputs\Channel0					
Channel address	QW64	**Analog output type**	Current	**Current range**	0..20 mA
Substitute value for channel on a change from RUN to STOP	0.000mA			**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
PROFINET interface [X1]\Analog outputs\Channel1					
Channel address	QW66	**Analog output type**	Current	**Current range**	0..20 mA
Substitute value for channel on a change from RUN to STOP	0.000mA			**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
PROFINET interface [X1]\I/O addresses\Input addresses					
Start address	0.0	**End address**	1.7	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Input addresses					
Start address	64	**End address**	67	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Output addresses					
Start address	0.0	**End address**	1.7	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Output addresses					
Start address	64	**End address**	67	**Organization block**	0
Process image	0				
PROFINET interface [X1]\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	**Permit overwriting of device names of all assigned IO devices**	False	**Use IEC V2.2 LLDP mode**	False
Keep-Alive connection monitoring:	30s				

PROFINET interface [X1]\Advanced options\Real time settings\IO communication					
Send clock:	1.000ms				
PROFINET interface [X1]\Advanced options\Real time settings\Real time options					
Calculated bandwidth for cyclic IO data:	0.000ms	**Calculated bandwidth for cyclic IO data:**	0.000%		
PROFINET interface [X1]\Advanced options\Port [X1 P1]\General					
Name	Port_1	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1 R]	**Medium:**	Copper	**Cable name:**	---
					
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Partner port:**	Any partner		
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Activate					
Activate this port for use	True				
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotiation**	True
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology discovery**	False	**End of the sync domain**	False
PROFINET interface [X1]\Advanced options\Port [X1 P2]\General					
Name	Port_2	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_2 [X1 P2 R]	**Medium:**	Copper	**Cable name:**	---
					
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Partner port:**	Any partner		
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Activate					
Activate this port for use	True				
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotiation**	True
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology discovery**	False	**End of the sync domain**	False
PROFINET interface [X1]\Web server access					
Enable Web server for the IP address of this interface	False	**The Web server must also be activated in the properties of the PLC.**			
High speed counters (HSC)\HSC1\General\Enable					
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
High speed counters (HSC)\HSC1\General\Project information					
Name	HSC_1	**Comment**		**Name**	HSC_2
Comment		**Name**	HSC_3	**Comment**	
Name	HSC_4	**Comment**		**Name**	HSC_5
Comment		**Name**	HSC_6	**Comment**	
High speed counters (HSC)\HSC1\I/O addresses\Input addresses					
Start address	1000.0	**End address**	1003.7	**Start address**	1004.0
End address	1007.7	**Organization block**	0	**Start address**	1008.0
End address	1011.7	**Organization block**	0	**Process image**	0
Start address	1012.0	**End address**	1015.7	**Organization block**	0
Process image	0	**Start address**	1016.0	**End address**	1019.7
Organization block	0	**Process image**	0	**Start address**	1020.0
End address	1023.7	**Organization block**	0	**Process image**	0
Organization block	0	**Process image**	0	**Process image**	0
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable					
Enable this pulse generator	0	**Enable this pulse generator**	0		
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information					
Name	Pulse_1	**Comment**		**Name**	Pulse_2
Comment					
Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses					
Start address	1000.0	**End address**	1001.7	**Start address**	1002.0

End address	1003.7	**Organization block**	0	**Organization block**	0
Process image	0	**Process image**	0		
Startup					
Startup after POWER ON	Warm restart - mode before POWER OFF	**Comparison preset to actual configuration**	Startup CPU even if mismatch	**Configuration time**	60000ms
OBs should be interruptible	1				
Cycle					
Cycle monitoring time	150ms			**Enable minimum cycle time for cyclic OBs**	0
Minimum cycle time	1ms				
Communication load					
Cycle load due to communication	20%				
System and clock memory\System memory bits					
Enable the use of system memory byte	0	**Address of system memory byte (MBx)**	1	**First cycle**	
Diagnostic status changed		**Always 1 (high)**		**Always 0 (low)**	
System and clock memory\Clock memory bits					
Enable the use of clock memory byte	0	**Address of clock memory byte (MBx)**	0	**10 Hz clock**	
5 Hz clock		**2.5 Hz clock**		**2 Hz clock**	
1.25 Hz clock		**1 Hz clock**		**0.625 Hz clock**	
0.5 Hz clock					
Web server\General					
Activate Web server on all modules of this device	False	**Permit access only with HTTPS**	True		
Web server\Automatic update					
Enable automatic update	True	**Update interval**	0s		
Web server\User management					

User name	**User rights**
Everybody	

Web server\User-defined web pages					
Application name	**HTML source path**	**Default HTML page**	**Files with dynamic content**	**Web DB number**	**Fragment DB number**
		index.htm	.htm;.html	333	334

Web server\Overview of interfaces		
Device	**Interface**	**Enabled web server access**
PLC_1	PROFINET interface_1	False

User interface languages	
Assign project language	**User interface languages**
English (United States)	German
English (United States)	English
English (United States)	French
English (United States)	Spanish
English (United States)	Italian
English (United States)	Chinese (simplified)

Time of day\Local time					
Time zone	(UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna				
Time of day\Daylight saving time					
Activate daylight saving time	1	**Difference between standard and daylight saving time**	60mins		
Time of day\Daylight saving time\Start of daylight saving time					
Starting week of the month:	Last		Sunday	**of**	March
at	01:00 a.m.				
Time of day\Daylight saving time\Start of standard time					
	Last		Sunday	**of**	October
at	02:00 a.m.				
Protection & Security					
Level of protection	No protection				
Protection & Security\Connection mechanisms					
Permit access with PUT/GET communication from remote partner	False				
Protection & Security\Security event					
Summarize diagnostics in case of high message volume	True	**Length of an interval**	20	**Unit**	seconds
Protection & Security\External load memory					
Disable copying from internal load memory to external load memory	False				
Configuration control\Configuration control for central configuration					
Allow to reconfigure the device via the user program	0				

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Connection resources

	Station resources - Reserved - Maximum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - PLC_1 [CPU 1215C AC/DC/Rly] - Configured
Maximum number of resources:		62	6	68
	Maximum	Configured	Configured	Configured
PG communication:	4	-	-	-
HMI communication:	12	0	0	0
S7 communication:	8	0	0	0
Open user communication:	8	0	0	0
Web communication:	30	-	-	-
Other communication:	-	-	0	0
Total resources used:		0	0	0
Available resources:		62	6	68

Overview of addresses\Overview of addresses\Overview of addresses

Inputs	True	**Outputs**	True	**Address gaps**	False
Slot	True				

Type	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 14/DQ 10_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 1
O	0	1	DI 14/DQ 10_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 1
I	64	67	AI 2/AQ 2_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 2
O	64	67	AI 2/AQ 2_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 2
I	1000	1003	HSC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 21
O	1000	1001	Pulse_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 32
O	1002	1003	Pulse_2	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 33
O	1004	1005	Pulse_3	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 34
O	1006	1007	Pulse_4	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 35
I	8	8	DI 8/DQ 8x24VDC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	1 Bytes	-	0	2
O	8	8	DI 8/DQ 8x24VDC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	1 Bytes	-	0	2

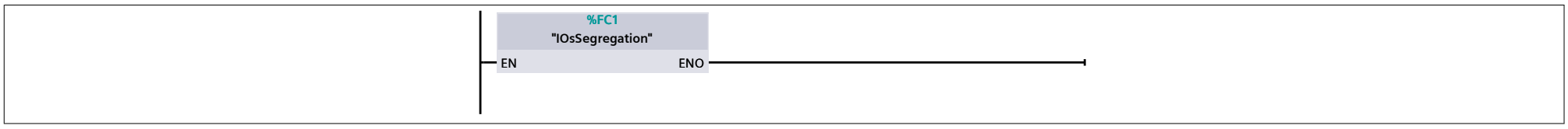
FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

Main [OB1]

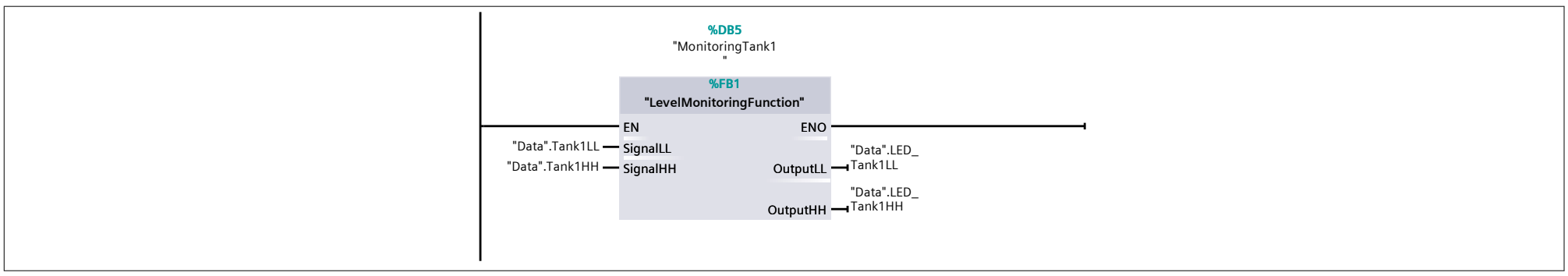
Main Properties							
General							
Name	Main	**Number**	1	**Type**	OB	**Language**	LAD
Numbering	Automatic						
Information							
Title	"Main Program Sweep (Cycle)"	**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value	Comment
Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
Temp			
Constant			

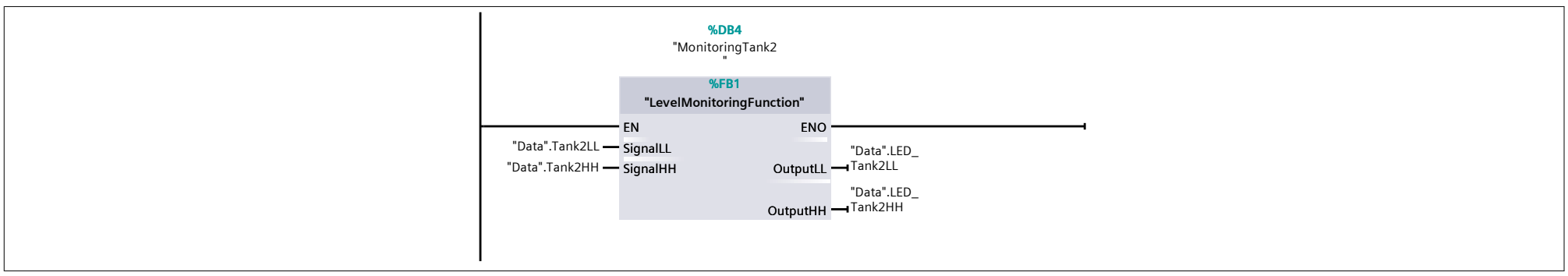
Network 1:



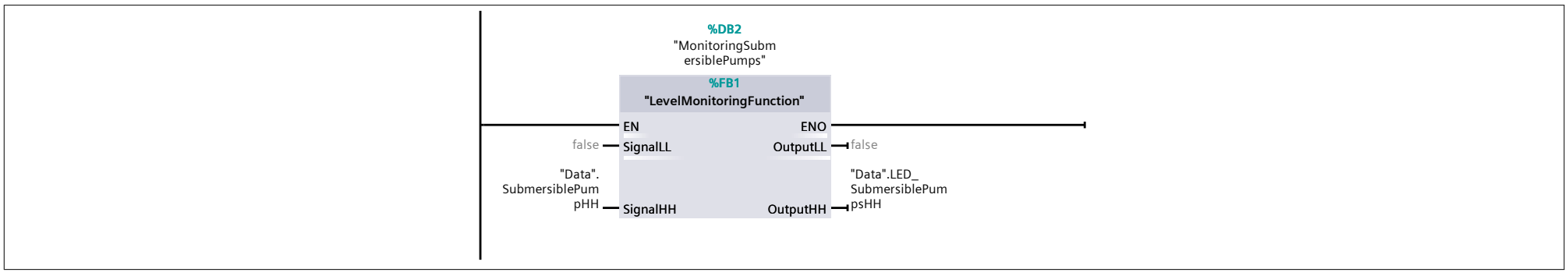
Network 2: monitoring tank 1



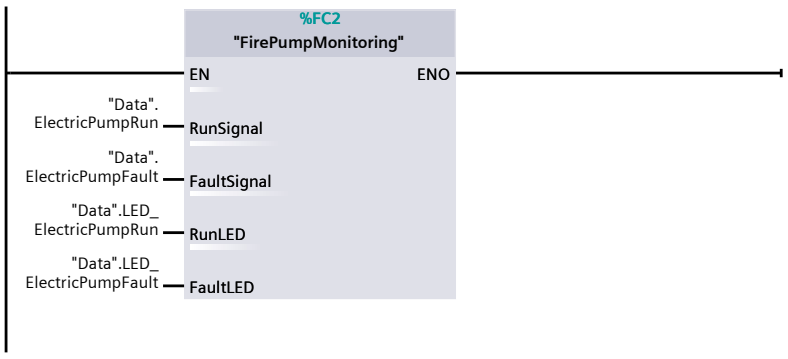
Network 3: monitoring tank 2



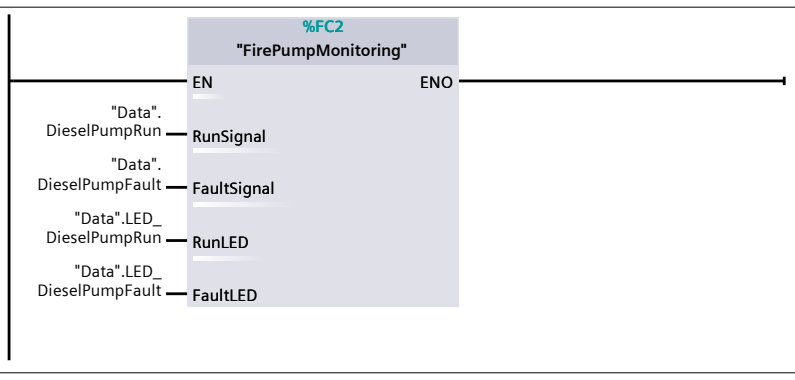
Network 4: monitoring submersible pumps



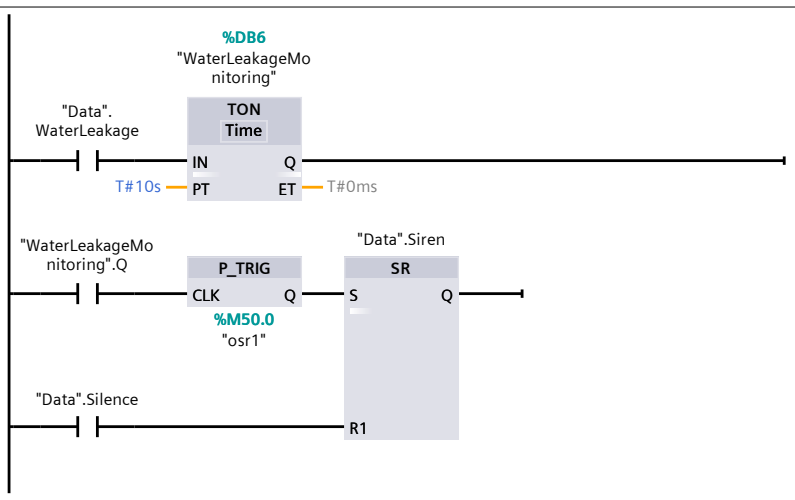
Network 5: Electric pump monitoring(run/ fault)



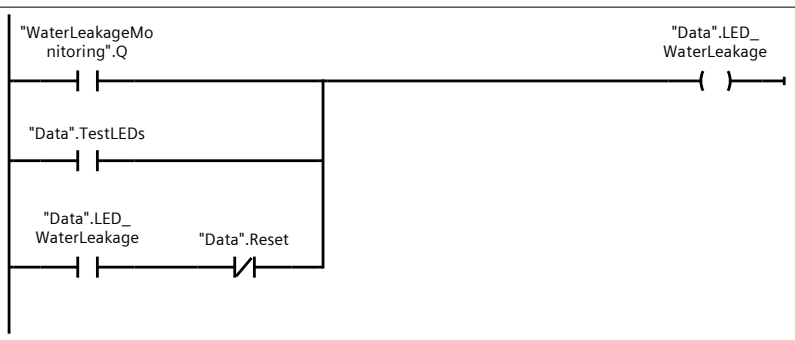
Network 6: Diesel pump monitoring(run/ fault)



Network 7: water leakage monitoring



Network 8: water leakage monitoring



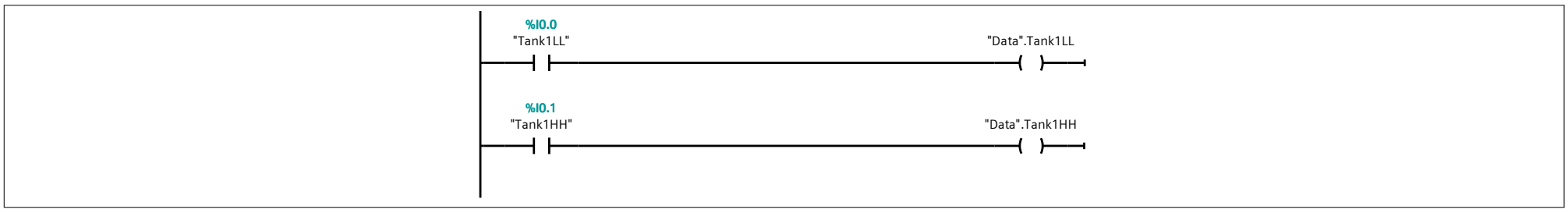
FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

IOsSegregation [FC1]

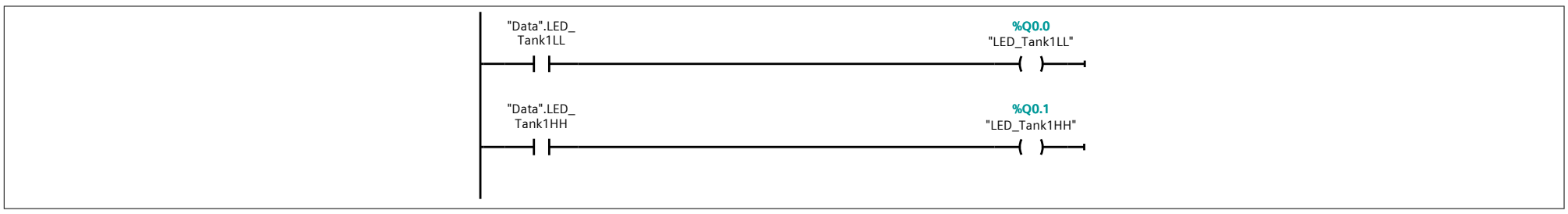
IOsSegregation Properties							
General							
Name	IOsSegregation	**Number**	1	**Type**	FC	**Language**	LAD
Numbering	Automatic						
Information							
Title	IOs segregations	**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value	Comment
Input			
Output			
InOut			
Temp			
Constant			
▼ Return			
IOsSegregation	Void		

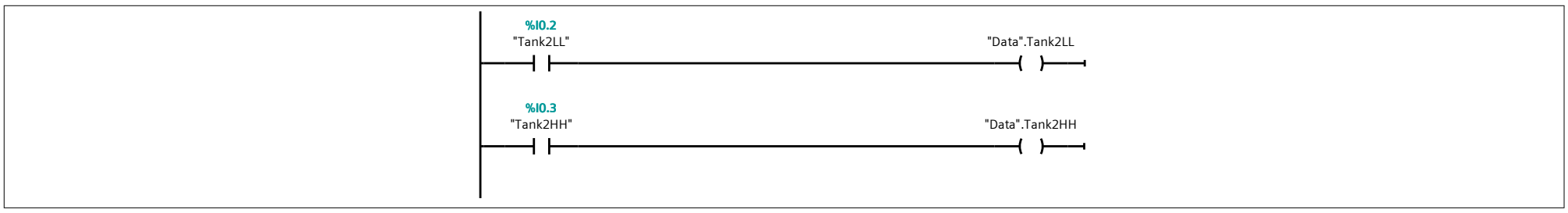
Network 1: Tank 1 input signals



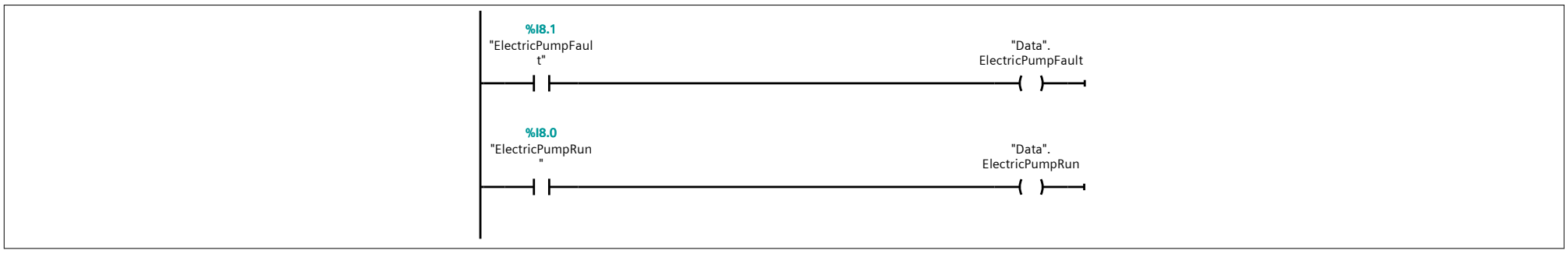
Network 2: Tank1 LEDs



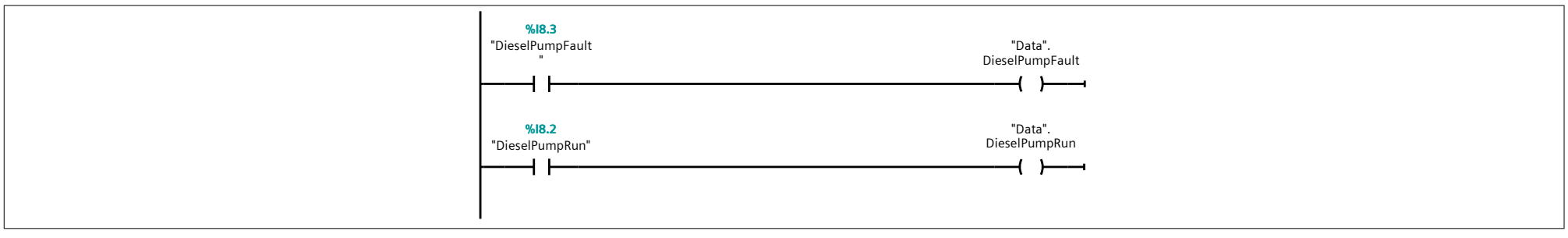
Network 3: Tank 2 input signals



Network 4: Electric pump input signals



Network 5: Diesel pump input signals



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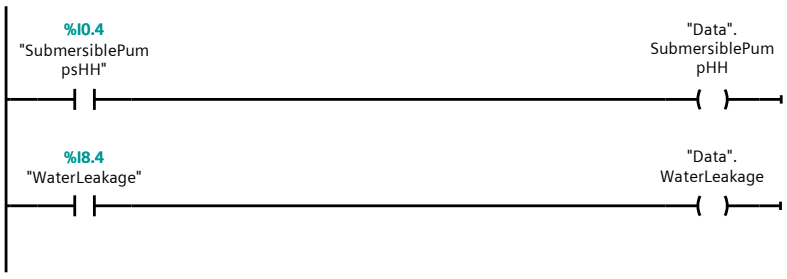
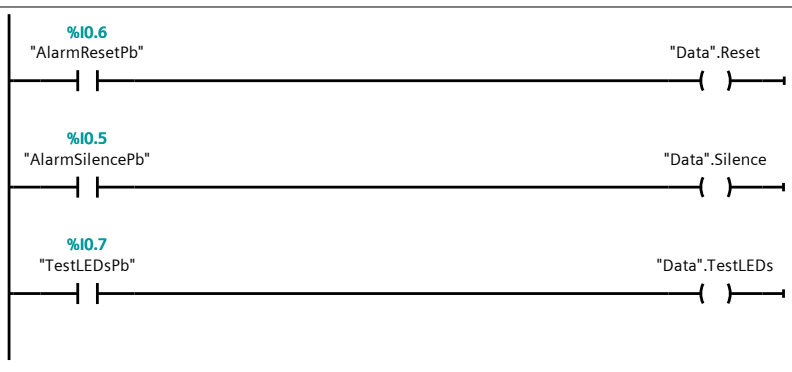
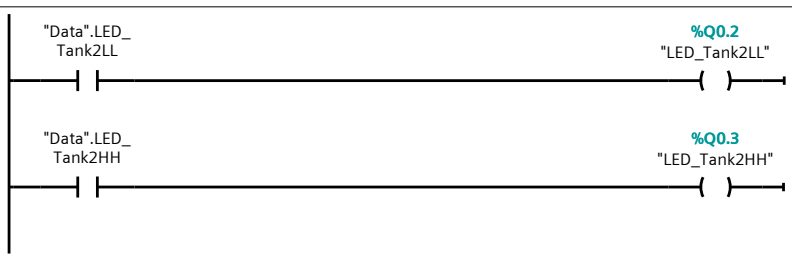
Network 6: submersible pump and water leakage input signals



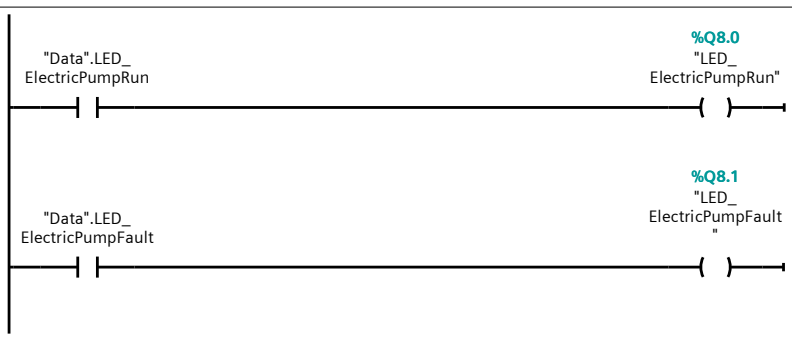
Network 7: Input Push Buttons



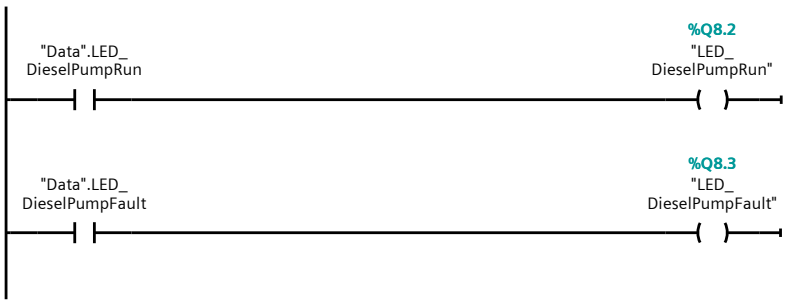
Network 8: tank2 LEDs



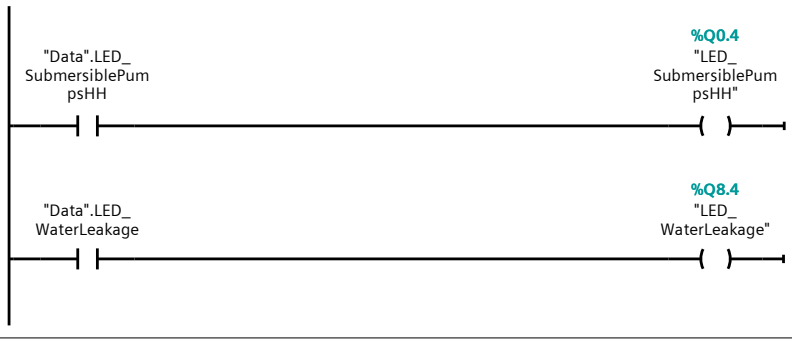
Network 9: Electric Pump LEDs



Network 10: Diesel Pump LEDs



Network 11: Submersible and Water leakage LEDs



Network 12: SIREN AND FAULT CONDITION PANEL OUTPUTS

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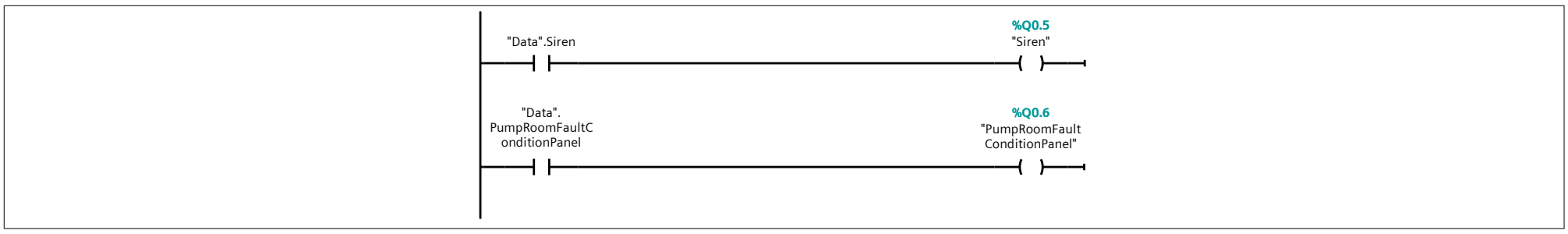

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

Data [DB1]

Data Properties							
General							
Name	Data	**Number**	1	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
Static									
Tank1LL	Bool	false	False	True	True	True	False		
Tank1HH	Bool	false	False	True	True	True	False		
Tank2LL	Bool	false	False	True	True	True	False		
Tank2HH	Bool	false	False	True	True	True	False		
ElectricPumpRun	Bool	false	False	True	True	True	False		
ElectricPumpFault	Bool	false	False	True	True	True	False		
DieselPumpRun	Bool	false	False	True	True	True	False		
DieselPumpFault	Bool	false	False	True	True	True	False		
SubmersiblePumpHH	Bool	false	False	True	True	True	False		
WaterLeakage	Bool	false	False	True	True	True	False		
Silence	Bool	false	False	True	True	True	False		
Reset	Bool	false	False	True	True	True	False		
TestLEDs	Bool	false	False	True	True	True	False		
LED_Tank1LL	Bool	false	False	True	True	True	False		
LED_Tank1HH	Bool	false	False	True	True	True	False		
LED_Tank2LL	Bool	false	False	True	True	True	False		
LED_Tank2HH	Bool	false	False	True	True	True	False		
LED_SubmersiblePumpsHH	Bool	false	False	True	True	True	False		
LED_ElectricPumpRun	Bool	false	False	True	True	True	False		
LED_ElectricPumpFault	Bool	false	False	True	True	True	False		
LED_DieselPumpRun	Bool	false	False	True	True	True	False		
LED_DieselPumpFault	Bool	false	False	True	True	True	False		
LED_WaterLeakage	Bool	false	False	True	True	True	False		
Siren	Bool	false	False	True	True	True	False		
PumpRoomFaultConditionPanel	Bool	false	False	True	True	True	False		
tank1LL_SirenTrigger	Bool	false	False	True	True	True	False		

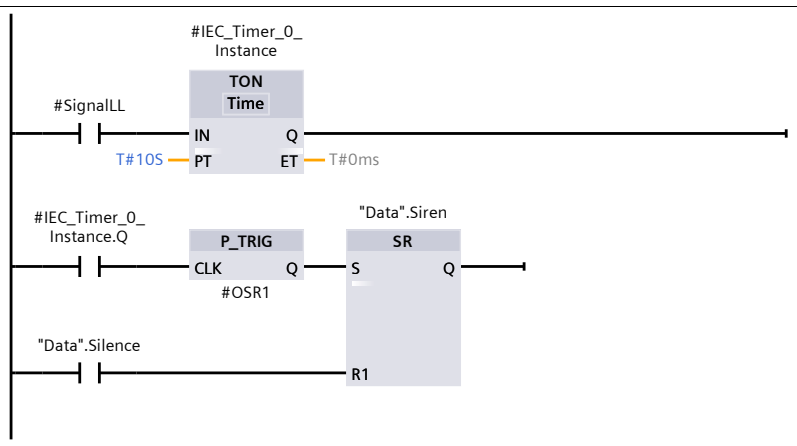
FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

LevelMonitoringFunction [FB1]

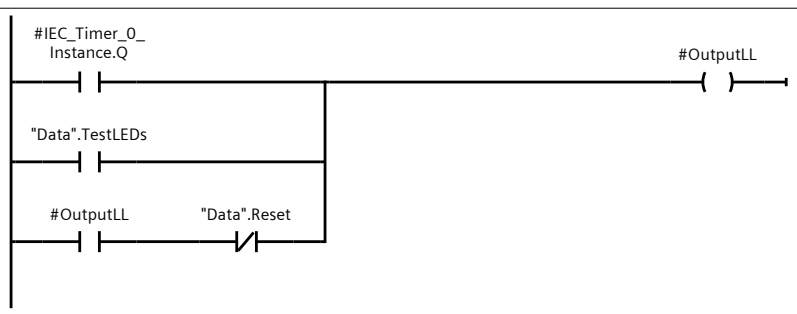
LevelMonitoringFunction Properties							
General							
Name	LevelMonitoringFunction	**Number**	1	**Type**	FB	**Language**	LAD
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
SignalLL	Bool	false	Non-retain	True	True	True	False		
SignalHH	Bool	false	Non-retain	True	True	True	False		
▼ Output									
OutputLL	Bool	false	Non-retain	True	True	True	False		
OutputHH	Bool	false	Non-retain	True	True	True	False		
InOut									
▼ Static									
▼ IEC_Timer_0_Instance	TON_TIME		Non-retain	True	True	True	True		
PT	Time	T#0ms	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
▼ MonitoringHH	TON_TIME		Non-retain	True	True	True	True		
PT	Time	T#0ms	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
▼ Temp									
OSR1	Bool								
OSR2	Bool								
Constant									

Network 1: LL monitoring



Network 2: LL alarm



Network 3: HH monitoring

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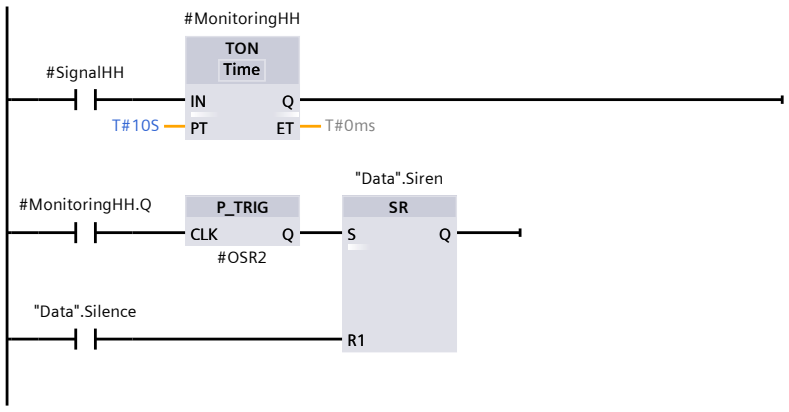
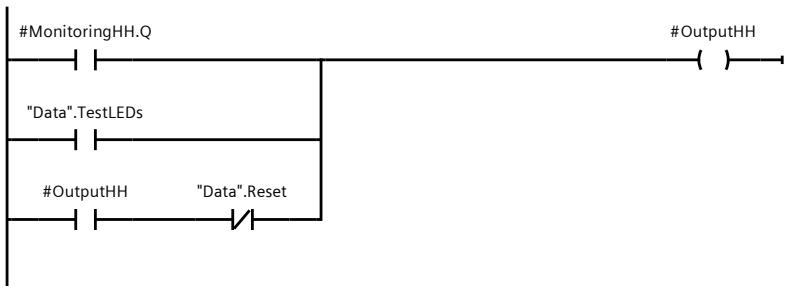


Network 4: HH alarm



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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

MonitoringTank2LL [DB3]

MonitoringTank2LL Properties							
General							
Name	MonitoringTank2LL	**Number**	3	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
SignalLL	Bool	false	False	True	True	True	False		
SignalHH	Bool	false	False	True	True	True	False		
▼ Output									
OutputLL	Bool	false	False	True	True	True	False		
OutputHH	Bool	false	False	True	True	True	False		
InOut									
▼ Static									
▼ IEC_Timer_0_Instance	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		
▼ MonitoringHH	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

MonitoringTank2 [DB4]

MonitoringTank2 Properties							
General							
Name	MonitoringTank2	**Number**	4	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
SignalLL	Bool	false	False	True	True	True	False		
SignalHH	Bool	false	False	True	True	True	False		
▼ Output									
OutputLL	Bool	false	False	True	True	True	False		
OutputHH	Bool	false	False	True	True	True	False		
InOut									
▼ Static									
▼ IEC_Timer_0_Instance	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		
▼ MonitoringHH	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

MonitoringTank1 [DB5]

MonitoringTank1 Properties							
General							
Name	MonitoringTank1	**Number**	5	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
Input									
SignalLL	Bool	false	False	True	True	True	False		
SignalHH	Bool	false	False	True	True	True	False		
Output									
OutputLL	Bool	false	False	True	True	True	False		
OutputHH	Bool	false	False	True	True	True	False		
InOut									
Static									
IEC_Timer_0_Instance	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		
MonitoringHH	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

MonitoringSubmersiblePumps [DB2]

MonitoringSubmersiblePumps Properties							
General							
Name	MonitoringSubmersible-Pumps	**Number**	2	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writ-able from HMI/ OPC UA/ Web API	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
▼ Input									
SignalLL	Bool	false	False	True	True	True	False		
SignalHH	Bool	false	False	True	True	True	False		
▼ Output									
OutputLL	Bool	false	False	True	True	True	False		
OutputHH	Bool	false	False	True	True	True	False		
InOut									
▼ Static									
▼ IEC_Timer_0_Instance	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		
▼ MonitoringHH	TON_TIME		False	True	True	True	True		
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

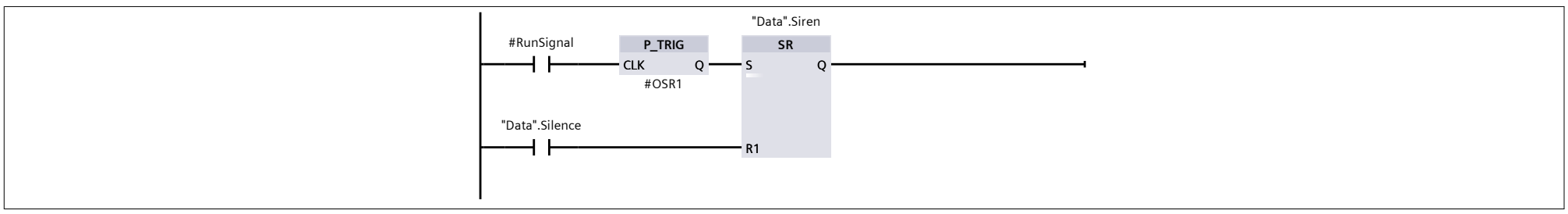
FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks

FirePumpMonitoring [FC2]

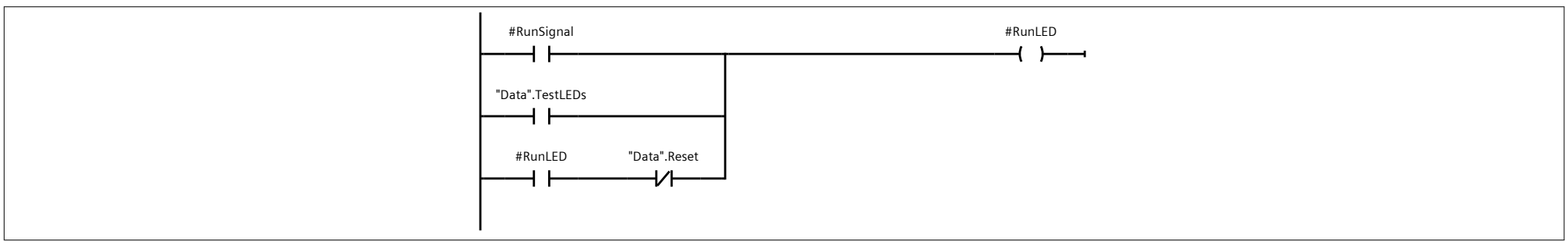
FirePumpMonitoring Properties							
General							
Name	FirePumpMonitoring	**Number**	2	**Type**	FC	**Language**	LAD
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value	Comment
▼ Input			
RunSignal	Bool		
FaultSignal	Bool		
Output			
▼ InOut			
RunLED	Bool		
FaultLED	Bool		
▼ Temp			
OSR1	Bool		
OSR2	Bool		
Constant			
▼ Return			
FirePumpMonitoring	Void		

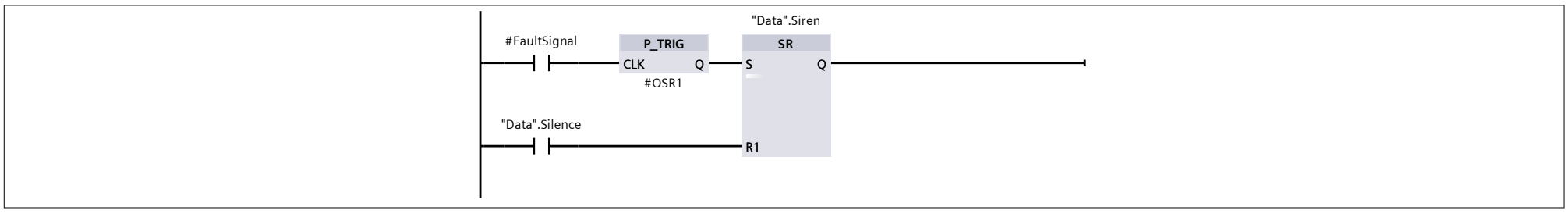
Network 1: monitor run mode



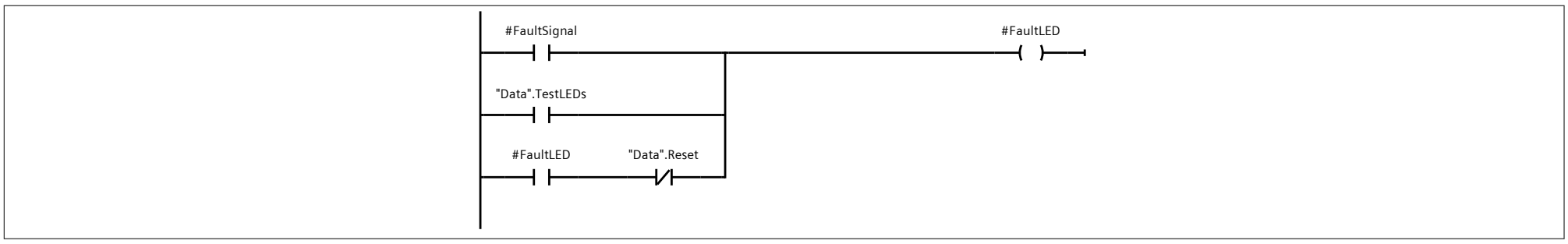
Network 2: monitor run mode



Network 3: monitor fault mode



Network 4: monitor fault mode



FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Program blocks / System blocks / Program resources

WaterLeakageMonitoring [DB6]

WaterLeakageMonitoring Properties							
General							
Name	WaterLeakageMonitoring	**Number**	6	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**	Simatic	**Comment**		**Family**	IEC
Version	1.0	**User-defined ID**	IEC_TMR				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Static									
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly]

Technology objects

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly]

PLC tags

PLC tags

Icon	Name	Data type	Address	Visible in HMI engineering	Accessible from HMI/OPC UA/Web API	Comment
	AlarmResetPb	Bool	%I0.6	True	True	
	AlarmSilencePb	Bool	%I0.5	True	True	
	DieselPumpFault	Bool	%I8.3	True	True	
	DieselPumpRun	Bool	%I8.2	True	True	
	ElectricPumpFault	Bool	%I8.1	True	True	
	ElectricPumpRun	Bool	%I8.0	True	True	
	LED_DieselPumpFault	Bool	%Q8.3	True	True	
	LED_DieselPumpRun	Bool	%Q8.2	True	True	
	LED_ElectricPumpFault	Bool	%Q8.1	True	True	
	LED_ElectricPumpRun	Bool	%Q8.0	True	True	
	LED_Submersible-PumpsHH	Bool	%Q0.4	True	True	
	LED_Tank1HH	Bool	%Q0.1	True	True	
	LED_Tank1LL	Bool	%Q0.0	True	True	
	LED_Tank2HH	Bool	%Q0.3	True	True	
	LED_Tank2LL	Bool	%Q0.2	True	True	
	LED_WaterLeakage	Bool	%Q8.4	True	True	
	osr1	Bool	%M50.0	True	True	
	PumpRoomFaultCondi-tionPanel	Bool	%Q0.6	True	True	
	Siren	Bool	%Q0.5	True	True	
	SubmersiblePumpsHH	Bool	%I0.4	True	True	
	Tank1HH	Bool	%I0.1	True	True	
	Tank1LL	Bool	%I0.0	True	True	
	Tank2HH	Bool	%I0.3	True	True	
	Tank2LL	Bool	%I0.2	True	True	
	TestLEDsPb	Bool	%I0.7	True	True	
	WaterLeakage	Bool	%I8.4	True	True	

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / PLC tags

Default tag table [57]

PLC tags						
Icon	Name	Data type	Address	Visible in HMI engineering	Accessible from HMI/OPC UA/Web API	Comment
	AlarmResetPb	Bool	%I0.6	True	True	
	AlarmSilencePb	Bool	%I0.5	True	True	
	DieselPumpFault	Bool	%I8.3	True	True	
	DieselPumpRun	Bool	%I8.2	True	True	
	ElectricPumpFault	Bool	%I8.1	True	True	
	ElectricPumpRun	Bool	%I8.0	True	True	
	LED_DieselPumpFault	Bool	%Q8.3	True	True	
	LED_DieselPumpRun	Bool	%Q8.2	True	True	
	LED_ElectricPumpFault	Bool	%Q8.1	True	True	
	LED_ElectricPumpRun	Bool	%Q8.0	True	True	
	LED_Submersible-PumpsHH	Bool	%Q0.4	True	True	
	LED_Tank1HH	Bool	%Q0.1	True	True	
	LED_Tank1LL	Bool	%Q0.0	True	True	
	LED_Tank2HH	Bool	%Q0.3	True	True	
	LED_Tank2LL	Bool	%Q0.2	True	True	
	LED_WaterLeakage	Bool	%Q8.4	True	True	
	osr1	Bool	%M50.0	True	True	
	PumpRoomFaultCondi-tionPanel	Bool	%Q0.6	True	True	
	Siren	Bool	%Q0.5	True	True	
	SubmersiblePumpsHH	Bool	%I0.4	True	True	
	Tank1HH	Bool	%I0.1	True	True	
	Tank1LL	Bool	%I0.0	True	True	
	Tank2HH	Bool	%I0.3	True	True	
	Tank2LL	Bool	%I0.2	True	True	
	TestLEDsPb	Bool	%I0.7	True	True	
	WaterLeakage	Bool	%I8.4	True	True	

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / PLC data types

System data types

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Watch and force tables

Force table

Name	Address	Display format	Force value	Comment

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly]

Traces

Name

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Traces

Measurements

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Traces

Combined measurements

Name

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / OPC UA communication

Server interfaces

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly]

PLC alarm text lists

This folder is empty.

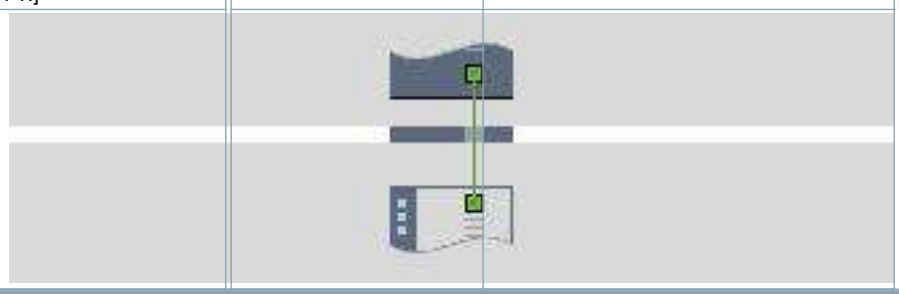
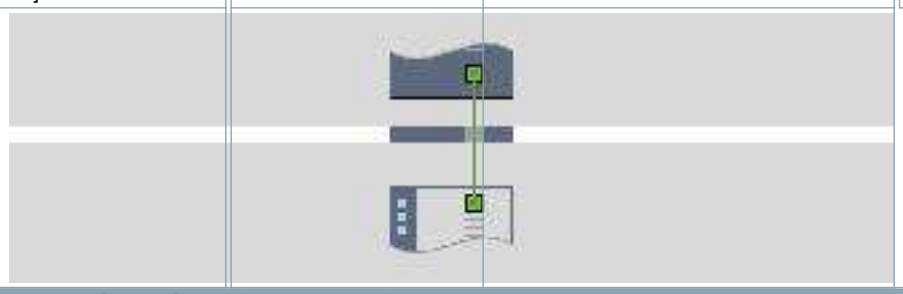
FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Local modules

PLC_1 [CPU 1215C AC/DC/Rly]

PLC_1					
General\Project information					
Name	PLC_1	**Author**	Mmuhamed	**Comment**	
Slot	1	**Rack**	0		
General\Catalog information					
Short designation	CPU 1215C AC/DC/Rly	**Description**	Work memory 125 KB; 120/240VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x relay and AI2 and AQ2 on board; 6 high-speed counters and 4 pulse outputs on-board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 8 signal modules for I/O expansion; PROFINET IO controller, 2 ports, I-device, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, OPC UA: Server DA	**Article number**	6ES7 215-1BG40-0XB0
Firmware version	V4.4				
General\Identification & Maintenance					
Plant designation		**Location identifier**		**Installation date**	2023-05-11 05:41:44.509
Additional information					
General\Checksums					
Text lists	FA 70 E8 75 1D 5A 8E 29	**Software**	99 C9 86 E0 4F 08 91 66		
PROFINET interface [X1]\General					
Name	PROFINET interface_1	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\General\Project information					
Name	DI 14/DQ 10_1	**Comment**		**Name**	AI 2/AQ 2_1
Comment					
PROFINET interface [X1]\Ethernet addresses\Interface networked with					
Subnet:	Not connected				
PROFINET interface [X1]\Ethernet addresses\IP protocol					
IP configuration	Set IP address in the project	**IP address:**	192.168.0.1	**Subnet mask:**	255.255.255.0
Use router	False				
PROFINET interface [X1]\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	**Generate PROFINET device name automatically**	True	**PROFINET device name:**	plc_1
Converted name:	plcxb1d0ed	**Device number:**	0		
PROFINET interface [X1]\Time synchronization					
Enable time synchronization via NTP server	Enable time synchronization via NTP server		IP addresses	**Server 1**	0.0.0.0
Server 2	0.0.0.0	**Server 3**	0.0.0.0	**Server 4**	0.0.0.0
Update interval	10sec			**CPU synchronizes the modules of the device.**	No synchronization
PROFINET interface [X1]\Digital inputs\Channel0					
Channel address	I0.0	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel0					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49152	**Event name:**	0
Hardware interrupt:	0	**Rising edge0**	Rising edge0		
PROFINET interface [X1]\Digital inputs\Channel0					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49280	**Event name:**	0
Hardware interrupt:	0	**Falling edge0**	Falling edge0		
PROFINET interface [X1]\Digital inputs\Channel1					
Channel address	I0.1	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel1					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49153	**Event name:**	0
Hardware interrupt:	0	**Rising edge1**	Rising edge1		
PROFINET interface [X1]\Digital inputs\Channel1					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49281	**Event name:**	0
Hardware interrupt:	0	**Falling edge1**	Falling edge1		
PROFINET interface [X1]\Digital inputs\Channel2					
Channel address	I0.2	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel2					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49154	**Event name:**	0
Hardware interrupt:	0	**Rising edge2**	Rising edge2		
PROFINET interface [X1]\Digital inputs\Channel2					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49282	**Event name:**	0
Hardware interrupt:	0	**Falling edge2**	Falling edge2		
PROFINET interface [X1]\Digital inputs\Channel3					
Channel address	I0.3	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel3					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49155	**Event name:**	0
Hardware interrupt:	0	**Rising edge3**	Rising edge3		

PROFINET interface [X1]\Digital inputs\Channel3					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49283	**Event name:**	0
Hardware interrupt:	0	**Falling edge3**	Falling edge3		
PROFINET interface [X1]\Digital inputs\Channel4					
Channel address	I0.4	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel4					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49156	**Event name:**	0
Hardware interrupt:	0	**Rising edge4**	Rising edge4		
PROFINET interface [X1]\Digital inputs\Channel4					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49284	**Event name:**	0
Hardware interrupt:	0	**Falling edge4**	Falling edge4		
PROFINET interface [X1]\Digital inputs\Channel5					
Channel address	I0.5	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel5					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49157	**Event name:**	0
Hardware interrupt:	0	**Rising edge5**	Rising edge5		
PROFINET interface [X1]\Digital inputs\Channel5					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49285	**Event name:**	0
Hardware interrupt:	0	**Falling edge5**	Falling edge5		
PROFINET interface [X1]\Digital inputs\Channel6					
Channel address	I0.6	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel6					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49158	**Event name:**	0
Hardware interrupt:	0	**Rising edge6**	Rising edge6		
PROFINET interface [X1]\Digital inputs\Channel6					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49286	**Event name:**	0
Hardware interrupt:	0	**Falling edge6**	Falling edge6		
PROFINET interface [X1]\Digital inputs\Channel7					
Channel address	I0.7	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel7					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49159	**Event name:**	0
Hardware interrupt:	0	**Rising edge7**	Rising edge7		
PROFINET interface [X1]\Digital inputs\Channel7					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49287	**Event name:**	0
Hardware interrupt:	0	**Falling edge7**	Falling edge7		
PROFINET interface [X1]\Digital inputs\Channel8					
Channel address	I1.0	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel8					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49160	**Event name:**	0
Hardware interrupt:	0	**Rising edge8**	Rising edge8		
PROFINET interface [X1]\Digital inputs\Channel8					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49288	**Event name:**	0
Hardware interrupt:	0	**Falling edge8**	Falling edge8		
PROFINET interface [X1]\Digital inputs\Channel9					
Channel address	I1.1	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel9					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49161	**Event name:**	0
Hardware interrupt:	0	**Rising edge9**	Rising edge9		
PROFINET interface [X1]\Digital inputs\Channel9					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49289	**Event name:**	0
Hardware interrupt:	0	**Falling edge9**	Falling edge9		
PROFINET interface [X1]\Digital inputs\Channel10					
Channel address	I1.2	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel10					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49162	**Event name:**	0
Hardware interrupt:	0	**Rising edge10**	Rising edge10		
PROFINET interface [X1]\Digital inputs\Channel10					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49290	**Event name:**	0
Hardware interrupt:	0	**Falling edge10**	Falling edge10		
PROFINET interface [X1]\Digital inputs\Channel11					
Channel address	I1.3	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel11					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49163	**Event name:**	0
Hardware interrupt:	0	**Rising edge11**	Rising edge11		
PROFINET interface [X1]\Digital inputs\Channel11					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49291	**Event name:**	0
Hardware interrupt:	0	**Falling edge11**	Falling edge11		
PROFINET interface [X1]\Digital inputs\Channel12					
Channel address	I1.4	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel13					
Channel address	I1.5	**Input filters**	6.4 millisec	**Enable pulse catch**	0

PROFINET interface [X1]\Analog inputs\Noise reduction					
Integration time	50 Hz (20 ms)				
PROFINET interface [X1]\Analog inputs\Channel0					
Channel address	IW64	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Analog inputs\Channel1					
Channel address	IW66	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Digital outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface [X1]\Digital outputs\Channel0					
Channel address	Q0.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel1					
Channel address	Q0.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel2					
Channel address	Q0.2	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel3					
Channel address	Q0.3	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel4					
Channel address	Q0.4	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel5					
Channel address	Q0.5	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel6					
Channel address	Q0.6	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel7					
Channel address	Q0.7	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel8					
Channel address	Q1.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel9					
Channel address	Q1.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Operating mode					
IO controller	True	**IO system**		**Device number**	0
IO device	False				
PROFINET interface [X1]\Analog outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface [X1]\Analog outputs\Channel0					
Channel address	QW64	**Analog output type**	Current	**Current range**	0..20 mA
Substitute value for channel on a change from RUN to STOP	0.000mA			**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
PROFINET interface [X1]\Analog outputs\Channel1					
Channel address	QW66	**Analog output type**	Current	**Current range**	0..20 mA
Substitute value for channel on a change from RUN to STOP	0.000mA			**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
PROFINET interface [X1]\I/O addresses\Input addresses					
Start address	0.0	**End address**	1.7	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Input addresses					
Start address	64	**End address**	67	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Output addresses					
Start address	0.0	**End address**	1.7	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Output addresses					
Start address	64	**End address**	67	**Organization block**	0
Process image	0				
PROFINET interface [X1]\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	**Permit overwriting of device names of all assigned IO devices**	False	**Use IEC V2.2 LLDP mode**	False
Keep-Alive connection monitoring:	30s				

PROFINET interface [X1]\Advanced options\Real time settings\IO communication					
Send clock:	1.000ms				
PROFINET interface [X1]\Advanced options\Real time settings\Real time options					
Calculated bandwidth for cyclic IO data:	0.000ms	**Calculated bandwidth for cyclic IO data:**	0.000%		
PROFINET interface [X1]\Advanced options\Port [X1 P1]\General					
Name	Port_1	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1 R]	**Medium:**	Copper	**Cable name:**	---
					
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Partner port:**	Any partner		
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Activate					
Activate this port for use	True				
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotiation**	True
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology discovery**	False	**End of the sync domain**	False
PROFINET interface [X1]\Advanced options\Port [X1 P2]\General					
Name	Port_2	**Author**	Mmuhamed	**Comment**	
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_2 [X1 P2 R]	**Medium:**	Copper	**Cable name:**	---
					
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Partner port:**	Any partner		
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Activate					
Activate this port for use	True				
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotiation**	True
PROFINET interface [X1]\Advanced options\Port [X1 P2]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology discovery**	False	**End of the sync domain**	False
PROFINET interface [X1]\Web server access					
Enable Web server for the IP address of this interface	False	**The Web server must also be activated in the properties of the PLC.**			
High speed counters (HSC)\HSC1\General\Enable					
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
High speed counters (HSC)\HSC1\General\Project information					
Name	HSC_1	**Comment**		**Name**	HSC_2
Comment		**Name**	HSC_3	**Comment**	
Name	HSC_4	**Comment**		**Name**	HSC_5
Comment		**Name**	HSC_6	**Comment**	
High speed counters (HSC)\HSC1\I/O addresses\Input addresses					
Start address	1000.0	**End address**	1003.7	**Start address**	1004.0
End address	1007.7	**Organization block**	0	**Start address**	1008.0
End address	1011.7	**Organization block**	0	**Process image**	0
Start address	1012.0	**End address**	1015.7	**Organization block**	0
Process image	0	**Start address**	1016.0	**End address**	1019.7
Organization block	0	**Process image**	0	**Start address**	1020.0
End address	1023.7	**Organization block**	0	**Process image**	0
Organization block	0	**Process image**	0	**Process image**	0
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable					
Enable this pulse generator	0	**Enable this pulse generator**	0		
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information					
Name	Pulse_1	**Comment**		**Name**	Pulse_2
Comment					
Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses					
Start address	1000.0	**End address**	1001.7	**Start address**	1002.0

End address	1003.7	**Organization block**	0	**Organization block**	0
Process image	0	**Process image**	0		
Startup					
Startup after POWER ON	Warm restart - mode before POWER OFF	**Comparison preset to actual configuration**	Startup CPU even if mismatch	**Configuration time**	60000ms
OBs should be interruptible	1				
Cycle					
Cycle monitoring time	150ms			**Enable minimum cycle time for cyclic OBs**	0
Minimum cycle time	1ms				
Communication load					
Cycle load due to communication	20%				
System and clock memory\System memory bits					
Enable the use of system memory byte	0	**Address of system memory byte (MBx)**	1	**First cycle**	
Diagnostic status changed		**Always 1 (high)**		**Always 0 (low)**	
System and clock memory\Clock memory bits					
Enable the use of clock memory byte	0	**Address of clock memory byte (MBx)**	0	**10 Hz clock**	
5 Hz clock		**2.5 Hz clock**		**2 Hz clock**	
1.25 Hz clock		**1 Hz clock**		**0.625 Hz clock**	
0.5 Hz clock					
Web server\General					
Activate Web server on all modules of this device	False	**Permit access only with HTTPS**	True		
Web server\Automatic update					
Enable automatic update	True	**Update interval**	0s		
Web server\User management					

User name	**User rights**
Everybody	

Web server\User-defined web pages					
Application name	**HTML source path**	**Default HTML page**	**Files with dynamic content**	**Web DB number**	**Fragment DB number**
		index.htm	.htm;.html	333	334

Web server\Overview of interfaces		
Device	**Interface**	**Enabled web server access**
PLC_1	PROFINET interface_1	False

User interface languages	
Assign project language	**User interface languages**
English (United States)	German
English (United States)	English
English (United States)	French
English (United States)	Spanish
English (United States)	Italian
English (United States)	Chinese (simplified)

Time of day\Local time					
Time zone	(UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna				
Time of day\Daylight saving time					
Activate daylight saving time	1	**Difference between standard and daylight saving time**	60mins		
Time of day\Daylight saving time\Start of daylight saving time					
Starting week of the month:	Last		Sunday	**of**	March
at	01:00 a.m.				
Time of day\Daylight saving time\Start of standard time					
	Last		Sunday	**of**	October
at	02:00 a.m.				
Protection & Security					
Level of protection	No protection				
Protection & Security\Connection mechanisms					
Permit access with PUT/GET communication from remote partner	False				
Protection & Security\Security event					
Summarize diagnostics in case of high message volume	True	**Length of an interval**	20	**Unit**	seconds
Protection & Security\External load memory					
Disable copying from internal load memory to external load memory	False				
Configuration control\Configuration control for central configuration					
Allow to reconfigure the device via the user program	0				

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Connection resources

	Station resources - Reserved - Maximum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - PLC_1 [CPU 1215C AC/DC/Rly] - Configured
Maximum number of resources:		62	6	68
	Maximum	Configured	Configured	Configured
PG communication:	4	-	-	-
HMI communication:	12	0	0	0
S7 communication:	8	0	0	0
Open user communication:	8	0	0	0
Web communication:	30	-	-	-
Other communication:	-	-	0	0
Total resources used:		0	0	0
Available resources:		62	6	68

Overview of addresses\Overview of addresses\Overview of addresses

Inputs	True	**Outputs**	True	**Address gaps**	False
Slot	True				

Type	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 14/DQ 10_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 1
O	0	1	DI 14/DQ 10_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 1
I	64	67	AI 2/AQ 2_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 2
O	64	67	AI 2/AQ 2_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 2
I	1000	1003	HSC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	4 Bytes	-	0	1 21
O	1000	1001	Pulse_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 32
O	1002	1003	Pulse_2	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 33
O	1004	1005	Pulse_3	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 34
O	1006	1007	Pulse_4	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	2 Bytes	-	0	1 35
I	8	8	DI 8/DQ 8x24VDC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	1 Bytes	-	0	2
O	8	8	DI 8/DQ 8x24VDC_1	Automatic update	PLC_1 [CPU 1215C AC/DC/Rly]	-	1 Bytes	-	0	2

FireFightingPumpRoomMonitoringSystem / PLC_1 [CPU 1215C AC/DC/Rly] / Local modules

DI 8/DQ 8x24VDC_1

DI 8/DQ 8x24VDC_1					
General\Project information					
Name	DI 8/DQ 8x24VDC_1	**Author**	Mmuhamed	**Comment**	
Slot	2				
General\Catalog information					
Short designation	SM 1223 DI8/DQ8 x 24VDC	**Description**	Digital input/output module DI8 x 24VDC SINK/SOURCE and DQ8 x 24VDC; configurable input delay; plug-in terminal blocks	**Article number**	6ES7 223-1BH32-0XB0
Firmware version	V2.0				
DI 8/DQ 8\Project information					
Name	DI 8/DQ 8x24VDC_1	**Comment**			
DI 8/DQ 8\Digital inputs\Input filters					
I8.0 - I8.3	6.40ms	**I8.4 - I8.7**	6.40ms		
DI 8/DQ 8\Digital inputs\Channel0					
Channel address	I8.0				
DI 8/DQ 8\Digital inputs\Channel1					
Channel address	I8.1				
DI 8/DQ 8\Digital inputs\Channel2					
Channel address	I8.2				
DI 8/DQ 8\Digital inputs\Channel3					
Channel address	I8.3				
DI 8/DQ 8\Digital inputs\Channel4					
Channel address	I8.4				
DI 8/DQ 8\Digital inputs\Channel5					
Channel address	I8.5				
DI 8/DQ 8\Digital inputs\Channel6					
Channel address	I8.6				
DI 8/DQ 8\Digital inputs\Channel7					
Channel address	I8.7				
DI 8/DQ 8\Digital outputs					
Reaction to CPU STOP	Use substitute value				
DI 8/DQ 8\Digital outputs\Channel0					
Channel address	Q8.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel1					
Channel address	Q8.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel2					
Channel address	Q8.2	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel3					
Channel address	Q8.3	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel4					
Channel address	Q8.4	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel5					
Channel address	Q8.5	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel6					
Channel address	Q8.6	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\Digital outputs\Channel7					
Channel address	Q8.7	**Substitute a value of 1 on a change from RUN to STOP.**	0		
DI 8/DQ 8\I/O addresses\Input addresses					
Start address	8.0	**End address**	8.7	**Organization block**	0
Process image	0				
DI 8/DQ 8\I/O addresses\Output addresses					
Start address	8.0	**End address**	8.7	**Organization block**	0
Process image	0				

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FireFightingPumpRoomMonitoringSystem

Ungrouped devices

This folder is empty.

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FireFightingPumpRoomMonitoringSystem

Security settings

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / Cross-device functions / Project traces

Measurements

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / Common data

Alarm classes

Alarm classes			
Name	**Display name**	**Acknowledgment**	**Priority**
Acknowledgement	A	True	0
No Acknowledgement	NA	False	0

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FireFightingPumpRoomMonitoringSystem / Common data

Logs

This folder is empty.

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FireFightingPumpRoomMonitoringSystem / Languages & resources

Project languages

Languages
Reference language
English (United States)

Editing language
English (United States)

Other project languages
Empty

FireFightingPumpRoomMonitoringSystem / Languages & resources / Project texts

Project texts

Project texts		
English (United States)	**Category**	**Reference**
"Main Program Sweep (Cycle)"	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Block title
A	Alarm class text	FireFightingPumpRoomMonitoringSystem\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
A	Alarm class text	FireFightingPumpRoomMonitoringSystem\Acknowledgement\ShortName
Diesel pump input signals	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 5\Title
Diesel Pump LEDs	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 10\Title
Diesel pump monitoring(run/ fault)	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 6\Title
Electric pump input signals	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 4\Title
Electric Pump LEDs	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 9\Title
Electric pump monitoring(run/ fault)	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 5\Title
HH alarm	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\LevelMonitoringFunction [FB1]\Network 4\Title
HH monitoring	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\LevelMonitoringFunction [FB1]\Network 3\Title
Input Push Buttons	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 7\Title
IOs segregations	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Block title
LL alarm	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\LevelMonitoringFunction [FB1]\Network 2\Title
LL monitoring	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\LevelMonitoringFunction [FB1]\Network 1\Title
monitor fault mode	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\FirePumpMonitoring [FC2]\Network 3\Title
monitor fault mode	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\FirePumpMonitoring [FC2]\Network 4\Title
monitor run mode	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\FirePumpMonitoring [FC2]\Network 1\Title
monitor run mode	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\FirePumpMonitoring [FC2]\Network 2\Title
monitoring submersible pumps	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 4\Title
monitoring tank 1	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 2\Title
monitoring tank 2	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 3\Title
NA	Alarm class text	FireFightingPumpRoomMonitoringSystem\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
NA	Alarm class text	FireFightingPumpRoomMonitoringSystem\No Acknowledgement\ShortName
SIREN AND FAULT CONDITION PANEL OUTPUTS	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 12\Title
Submersible and Water leakage LEDs	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 11\Title
submersible pump and water leakage input signals	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 6\Title
Tank 1 input signals	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 1\Title
Tank 2 input signals	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 3\Title
Tank1 LEDs	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 2\Title
tank2 LEDs	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\IOs-Segregation [FC1]\Network 8\Title
water leakage monitoring	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 7\Title
water leakage monitoring	Block comment	FireFightingPumpRoomMonitoringSystem\PLC_1 [CPU 1215C AC/DC/Rly]\Program blocks\Main [OB1]\Network 8\Title