

Totally Integrated
Automation Porta

Table of contents

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER

TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	4 - 1
Program blocks	
Main [OB1]	5 - 1
WS01_TVET_Workstation	
00-I/O_Mapping	
DB001-PLC_I/O [DB1]	6 - 1
FC001-PLC_I/O_Handler [FC1]	7 - 1
01-Traffic_Logic	
FB001-Traffic_Control [FB1]	8 - 1
FB001-Traffic_Control_DB [DB2]	9 - 1
Technology objects	10 - 1
PLC tags	
Default tag table [30]	
PLC tags	11 - 1
User constants	12 - 1
PLC_Inputs [16]	
PLC tags	13 - 1
User constants	14 - 1
PLC_Outputs [12]	
PLC tags	15 - 1
User constants	16 - 1
System_Tags [14]	
PLC tags	17 - 1
User constants	18 - 1
Trigger_Tags [5]	
PLC tags	19 - 1
User constants	20 - 1

PLC data types	
System data types	21 - 1
Watch and force tables	
Force table	22 - 1
Traces	23 - 1
Measurements	24 - 1
Combined measurements	25 - 1
OPC UA communication	
Server interfaces	26 - 1
PLC alarm text lists	27 - 1
Local modules	
TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	28 - 1
Ungrouped devices	29 - 1
Security settings	30 - 1
Cross-device functions	
Project traces	
Measurements	31 - 1
Long-term project traces	
Measurements	32 - 1
Common data	
Alarm classes	
Alarm classes	33 - 1
Logs	34 - 1
Languages & resources	
Project languages	35 - 1
Project texts	
Project texts	36 - 1

Totally Integrated
Automation Portal

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER

Project							
Name:	TRAF-	Creation time:	01/29/2025 07:02:13	Last change	04/04/2025 08:33:28	Author:	Admin
	FIC_LIGHTS_BRIDGE_CROSS-						
	ING_SCL_BASIC-AMBER						
ast modified	Admin	Version:					
by:							

Comment:

Operating system	
Name	Description
Operating system	Microsoft Windows 11 Enterprise
Version of the operating system	10.0.22000.0
Operating system service pack	
Version of the Internet Explorer	11.1.22000.0
Computer name	SIEMENS-VM
User name	SIEMENS-VM\Admin
Installation path of the TIA Portal	C:\Program Files\Siemens\Automation\Portal V19

Components		
Name	Version	Release
HelpViewer_WebApp - HelpViewer_WebApp V1.0 (HVWebApp)	V1.0	V01.00.00.00_02.00.00.58
TIA Portal Project Server V17 - TIA Portal Project Server Single SetupPackage V17.0 Upd7 (MUSERVERV17)	V17.0 + Upd7	V17.00.00.07_05.01.00.06
S7-PLCSIM - S7-PLCSIM Setup V18.0 SP2 (PLCSIM_V18)	V18.0 + SP2	V18.00.02.00_09.13.00.01
S7-PLCSIM - S7-PLCSIM Setup V19.0 Upd1 (PLCSIM_V19)	V19.0 + Upd1	V19.00.00.01_06.04.00.01
TIA Portal Project Server - TIA Portal Project Server Single SetupPackage V1.2 (ProjectServer)	V1.2	V01.02.00.00_00.00.04.16
SIMATIC S7-PLCSIM (S7_PLCSIM_V17)	V17.0	V17.00.00.00_43.02.00.01
Siemens Totally Integrated Automation Portal V17 - SIMATIC S7-PLCSIM V17.0 + SP0 + Upd1 (S7_PLCSIM_V17)	V17.0 + SP0 + Upd1	V17.00.00.01_01.00.16.01
AWB Host - TIAAdminV3 SP5 V3.0 SP5 (TIAAdminV3)	V3.0 + SP5	V03.00.05.00_01.01.00.22
AWB Host - Automation License Manager Plugin V3.0 + SP5 (TIAAdminV3)	V3.0 + SP5	V03.00.05.00_01.01.00.22
AWB Host - Software Management Plugin V3.0 + SP5 (TIAAdminV3)	V3.0 + SP5	V03.00.05.00_01.01.00.22
AWB Host - TIA Addin V3.0 + SP5 (TIAAdminV3)	V3.0 + SP5	V03.00.05.00_01.01.00.22
AWB Host - Central User Management Plugin V3.0 + SP5 (TIAAdminV3)	V3.0 + SP5	V03.00.05.00_01.01.00.22

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Name	Version	Release
Totally Integrated Automation Portal V19 - TIA Portal Single SetupPackage V19.0 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - HelpViewer Server V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - HM All Editions Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - HM NoBasic Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - Hardware Support Base Package 0 V19.0 (TIAP19)	V19.0	V19.00.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Multiuser Client Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - Version Control Interface SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - STEP 7 Safety Single SetupPackage V19.0 UPD1 (TIAP19)	V19.0 UPD1	V19.00.00.01_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - SESSP Single Setup- Package V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - STEP 7 Single Setup- Package V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - Hardware Support Base Package 02 V19.0 (TIAP19)	V19.0	V19.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Hardware Support Base Package 03 V19.0 (TIAP19)	V19.0	V19.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Hardware Support Base Package 04 V19.0 (TIAP19)	V19.0	V19.00.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Support Base Package TO-01 V19.0 (TIAP19)	V19.0	V19.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Support Base Package TO-02 V19.0 (TIAP19)	V19.0	V19.00.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - Hardware Support Base Package WCF-01 V19.0 (TIAP19)	V19.0	V19.00.00.00_66.01.00.07
Siemens Totally Integrated Automation Portal V19 - TIACOMPCHECK Single SetupPackage V19.0 + Upd3 (TIAP19)	V19.0 + Upd3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - TIA Portal Security Audit Log Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - TIA Portal Shim Single SetupPackage V19.0 (TIAP19)	V19.0	V19.00.00_68.01.00.03

Totally Integrated
Automation Portal

Name	Version	Release
Siemens Totally Integrated Automation Portal V19 - Simatic Single Setup- Package V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - WinCC Basic ES Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - WinCC CA ES Single SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
Siemens Totally Integrated Automation Portal V19 - Openness SetupPackage V19.0 UPD3 (TIAP19)	V19.0 UPD3	V19.00.00.03_05.01.00.01
User Management Component - UserManagementComponentx64 V2.13 SP1 (UMC64)	V2.13 + SP1	V02.13.01.00_00.00.001
User Management Component - umtrayiconx64 V2.13 + SP1 (UMC64)	V2.13 + SP1	V02.13.01.00_00.00.00.01
WinCC Runtime Advanced V17.0 - SIMATIC WinCC Runtime Advanced V17.0 (HMIRTM_V11)	V17.0 UPD8	V17.00.00.08_04.01.00.01
WinCC Runtime Advanced V17.0 - HMIRTM Tagging Package 01 Single SetupPackage V17.0 UPD8 (HMIRTM_V11)	V17.0 UPD8	V17.00.00.08_04.01.00.01
PLCSIM Advanced Single SetupPackage - PLCSIM Advanced Single Setup- Package V6.0 Upd1 (PLCSIMADV)	V6.0 + Upd1	V06.00.00.01_01.01.00.31
SIMATIC S7-PCT - SIMATIC S7-PCT V3.5 SP3 Upd6 (S7PCT)	V3.5 + SP3 + Upd6	V03.05.03.06_04.01.00.01
Siemens Totally Integrated Automation Portal V19 - Simatic Single Setup- Package 32 Bit V19.0 (TIAP19)	V19.0	V19.00.00.00_68.01.00.03
AddinRolloutService	19.0.0.3	V19.00.00.03_05.01.00.01
SIMATIC HMI License Manager Panel Plugin (x64)	19.0.0.0	V19.00.00_68.01.00.03
Automation Access Control Component x64	5.0	K05.01.01.02_90.01.00.77
SIMATIC WinCC Runtime Advanced Driver (x64)	19.0.0.0	V19.00.00_68.01.00.03
ETWEventCollector	19.0.0.0	V19.00.00_68.01.00.03
SIMATIC NCM FWL 64	5.6.0.3	K5.6.0.3_1.1.0.2
NCM GPRS 64	01.02.01.00	V1.2.1.0_1.1.0.3
SIMATIC PLCSIM 64	19.00.00	19.00.00.00_01.07.00.01
SIMATIC PLCSIM Advanced Driver64	6.0.0.1	V06.00.00.01_01.01.00.31
SIMATIC Device Drivers	9.4	09.04.00.02_01.01.00.02
TelemetryConnector	2.2.0.17	V02.02.00.17_01.00.00.00
Automation Access Control Component	5.0	K05.01.01.02_90.01.00.77
Automation Software Updater	02.05.0000	V02.05.00.00_01.03.00.02
SIEMENS OPC	3.9	03.09.12.02_01.01.00.04
SIMATIC PLCSIM Advanced SimRT	6.0.0.1	V06.00.00.01_01.01.00.31
SIMATIC HMI ProSave	19.0.0.0	V19.00.00_68.01.00.03
SIMATIC HMI Symbol Library	17.0.0.8	V17.00.00.08_04.01.00.01
SIMATIC HMI Touch Input	17.0.0.8	V17.00.00.08_04.01.00.01

Totally Integrated
Automation Portal

Name	Version	Release
SIMATIC Device Drivers WoW	29.4	29.04.00.02_01.01.00.02
SIMATIC Event Database	5.7	05.07.02.02_01.01.00.01
SeCon	2.9	V02.09.00.00_01.03.00.01
WinCC Runtime Advanced Simulator	17.0.0.0	V17.00.00.00_43.02.00.01

Products		
Name	Version	Release
TIA Portal Help Viewer	V1.0	V01.00.00.00_02.00.00.43
TIA Portal Project Server	V17.0 Upd7	V17.00.00.07_05.01.00.06
S7-PLCSIM	V18 SP2	18.00.02.00_09.13.00.01
S7-PLCSIM	V19 Upd1	19.00.00.01_06.04.00.01
TIA Portal Project Server	V1.2	V01.02.00.00_00.00.04.16
SIMATIC S7-PLCSIM	V17.0 Upd1	V17.00.00.01_01.00.16.01
TIA Administrator	V3.0.5.0	V03.00.05.00_01.01.00.22
SIMATIC WinCC Panel Images	V17.0 Upd8	V17.00.00.08_04.01.00.01
SIMATIC WinCC Legacy Panel Images	V17.0	V17.00.00.00_43.02.00.01
SIMATIC STEP 7 Prof - STEP 7 Safety - WinCC Adv	V17.0 Upd8	V17.00.00.08_04.01.00.01
SIMATIC STEP 7 Prof - STEP 7 Safety - WinCC Adv	V18.0 Upd5	V18.00.01.05_04.01.00.01
SIMATIC STEP 7 Prof - STEP 7 Safety - WinCC Adv + Unified + Prof	V19.0 Upd3	V19.00.00.03_05.01.00.01
User Management Component	V2.13 Sp1 Upd0	V02.13.01.00_00.00.00.01
UMC Status Application	V2.13 Sp1 Upd0	V02.13.01.00_00.00.00.01
SIMATIC WinCC Runtime Advanced Simulation	V17.0 Upd8	V17.00.00.08_04.01.00.01
S7-PLCSIM Advanced	V6.0 Upd1	V06.00.00.01_01.01.00.31
S7-PCT	V3.5 SP3 Upd6	V03.05.03.06_04.01.00.01
Automation License Manager	V6.2 + Upd3	06.02.00.03_00.00.00.09
S7-PLCSIM	V5.4 + SP8 + Upd2	V05.04.08.02_02.40.00.01
SIMATIC ProSave	V19.0	V19.00.00.00_68.01.00.03
S7-PCT	V3.5 SP3 Upd6	K3.5.3.6_4.1.0.1

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER

TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]

TRAFFIC_LIGHTS_PLO													
Project information													
Name	TRAFFIC_LIGHTS_PLC	Author	Admin	Comment									
Slot	1	Rack	0										
Catalog information													
Short designation	CPU 1215C DC/DC/DC	Description	Work memory 200 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC 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 215-1AG40-0XB0								
Firmware version	V4.6		False										

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Connection resources\				
	Station resources - Reserved - Max- imum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] - Configured
Maximum number of resources:		34	34	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:	2	-	-	-
OPC UA client/server communica-	0	-	-	-
tion:				
Other communication:	-	-	0	0
Total resources used:		0	0	0
Available resources:		34	34	68

Overview of addresses\Overview of addresses\Overview of addresses											
Inputs	True	Outputs	True	Address gaps	False						
Slot	True										

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Automation Port	al

Гуре	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO sys- tem	Rack	Slot
	0	1	DI 14/DQ 10_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 1
)	0	1	DI 14/DQ 10_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 1
	64	67	AI 2/AQ 2_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]		4 Bytes	-	0	1 2
)	64	67	AI 2/AQ 2_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 2
	1000	1003	HSC_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 16
	1004	1007	HSC_2	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 17
	1008	1011	HSC_3	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 18
	1012	1015	HSC_4	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 19
	1016	1019	HSC_5	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 20
	1020	1023	HSC_6	Automatic up- date	TRAF- FIC_LIGHTS_PLC		4 Bytes	-	0	1 21

Туре	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO sys- tem	Rack	Slot
					[CPU 1215C DC/DC/DC]					
)	1000	1001	Pulse_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 32
)	1002	1003	Pulse_2	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 33
0	1004	1005	Pulse_3	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 34
)	1006	1007	Pulse_4	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 35

Totally Integr Automation F									
Program k		CROSSING_	_SCL_BASIC	-AMB	ER / TRAFI	FIC_LIG	iHTS_PLC [CPU 1215C	DC/DC/DC] /
Main Properties									
General									
Name	Main	Number	1		Туре	ОВ		Language	LAD
Numbering	Automatic								
Information	lu								
Title	"Main Program Sweep (Cycle)"	Author			Comment			Family	
Version	0.1	User-defined ID							
Name				Data typ	oe e		Default value		
▼ Input									
Initial_Call				Bool					
Remanenc	ce			Bool					
Temp									
Constant									
	====== PR	OGRAM_INFOI	RMATION =====	=====	=====				
0001 (*									
	TRAFFIC LIGHTS - BR								
	:=====================================								
0005									
	orkstation WS01								
	C DC/DC/DC - 6ES721	5-1AG40-0XB0							
0008 - IP:	192.168.0.175/24								
0009 - Gate	way: 192.168.0.1								
0010									
0011	=======================================	=========				===			
0012									

Totally Integrated Automation Portal		
	"FB001-Traffic_Control" EN EN EN **B01 "FB001-Traffic_Control" EN **LeftSide_Green **Left_GreenLED "B0001-PLC_I/O". PLC_Outputs.x Left_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Left_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Left_RedLED "B0001-PLC_I/O". PLC_Outputs.x **Left_RedLED "B0001-PLC_I/O". PLC_Outputs.x **RightSide_Green **XRightSide_FlC_Outputs.x **Right_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Right_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Right_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Right_AmberLED "B0001-PLC_I/O". PLC_Outputs.x **Right_RedLED	

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DB001-PL0	C_I/O [DB1]	CROSSING_ 'ET_Workst	_SCL_ ation	BASIC-AMB	ER / TRA apping	FFIC_LIGHTS	S_PLC [CPU 1215C	DC	/DC/DC] /
DB001-PLC_I/O	Properties								
General Name	DB001-PLC_I/O	Number	1		Туре	DB	Language	DB	
Numbering	Automatic	Itamber	'		Турс		Language	00	
Information									
Title		Author			Comment		Family		
Version	0.1	User-defined ID					•		
Name				Data type		Start value			Retain
▼ Static									
PLC_Inpu	its			Struct					False
PLC_Out				Struct					False

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / Program blocks / WS01_TVET_Workstation / 00-I/O_Mapping FC001-PLC_I/O_Handler [FC1] FC001-PLC_I/O_Handler Properties General Name	Totally Integr Automation I									
Name										
Name FC001-PLC_I/O_Handler Number 1 Type FC Language LAD Numbering Information User-defined ID Title Author Comment Family Version 0.1 Data type Default value Input Data type Default value InOut Fremp rAI0.0_Temp Real rAQ0.1_Temp Real rAQ0.1_Temp Real Constant Constant FC001-PLC_I/O_Handler Void	FC001-PLC_I/O_I	Handler Properties								
Numbering Information Author Comment Family Version 0.1 User-defined ID Name Input Output InOut ▼ Temp rAI0.0_Temp rAI0.1_Temp rAQ0.0_Temp rAQ0.1_Temp Real Void FC001-PLC_I/O_Handler Void						_			-	l
Information			Number	1		Туре	FC		Language	LAD
Title Author User-defined ID Family Name Data type Default value Input Output InOut ▼ Temp Real rAI0.0_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real TAQ0.1_Temp Real TAQ0.1_		Automatic								
Version 0.1 User-defined ID Name Data type Default value Input 0utput 0utput InOut Inout 0utput ▼ Temp Real 0utput rAIO.0_Temp Real 0utput rAIO.1_Temp Real 0utput rAQ0.0_Temp Real 0utput rAQ0.1_Temp Real 0utput Constant 0utput 0utput ▼ Return 0utput 0utput FC001-PLC_I/O_Handler Void			Author			Comment			Family	
Input Output InOut ▼ Temp rAI0.0_Temp Real rAI0.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real rAQ0.1_Temp Real FCO01-PLC_I/O_Handler Void		0.1							<u> </u>	
Input Output InOut ▼ Temp rAI0.0_Temp Real rAI0.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real rAQ0.1_Temp Real FCO01-PLC_I/O_Handler Void	Nama			<u>'</u>	Data tur			Default value		
Output InOut ▼ Temp rAI0.0_Temp rAI0.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real rAQ0.1_Temp Real FCO01-PLC_I/O_Handler Void					Data typ	Эе		Default value		
InOut ▼ Temp rAl0.0_Temp Real rAl0.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real Constant ▼ Return FC001-PLC_I/O_Handler Void	-									
▼ Temp Real rAI0.0_Temp Real rAQ0.1_Temp Real rAQ0.1_Temp Real Constant Real ▼ Return FC001-PLC_I/O_Handler										
rAIO.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real Constant ▼ Return FC001-PLC_I/O_Handler Void	▼ Temp									
rAIO.1_Temp Real rAQ0.0_Temp Real rAQ0.1_Temp Real Constant ▼ Return FC001-PLC_I/O_Handler Void	rAIO O Te	mn			Real					
rAQ0.0_Temp Real rAQ0.1_Temp Real Constant ▼ Return FC001-PLC_I/O_Handler Void		•								
rAQ0.1_Temp Constant ✓ Return FC001-PLC_I/O_Handler Void		·			Real					
▼ Return FC001-PLC_I/O_Handler Void		<u> </u>			Real					
FC001-PLC_I/O_Handler Void	Constant									
	▼ Return									
Network 1: ======== DIGITAL_INPUTS ====================================	FC001-PL0	C_I/O_Handler			Void					
	Network 1: =	====== D	IGITAL_INPUTS		====					

Network 2: BANK_0

> DI0.0 - DI0.7

```
"DB001-PLC_I/O".
PLC_Inputs."xDI0.
0"
   %M1.2
                         %10.0
"AlwaysTRUE"
                        "DI0.0"
                                                                                         →
                                                                                   "DB001-PLC_I/O".
PLC_Inputs."xDI0.
1"
                         %10.1
                        "DI0.1"
                                                                                         →
                                                                                   "DB001-PLC_I/O".
                                                                                   PLC_Inputs."xDI0.
2"
                         %10.2
                        "DI0.2"
                                                                                   "DB001-PLC_I/O".
                         %10.3
                                                                                   PLC_Inputs."xDI0.
3"
                        "DI0.3"
                                                                                   "DB001-PLC_I/O".
                                                                                   PLC_Inputs."xDI0.
                         %10.4
                        "DI0.4"
                                                                                   "DB001-PLC_I/O".
                                                                                   PLC_Inputs."xDI0.
5"
                         %10.5
                        "DI0.5"
                                                                                   "DB001-PLC_I/O".
                                                                                   PLC_Inputs."xDI0.
                         %10.6
                        "DI0.6"
                                                                                   "DB001-PLC_I/O".
PLC_Inputs."xDI0.
                         %10.7
                        "DI0.7"
```

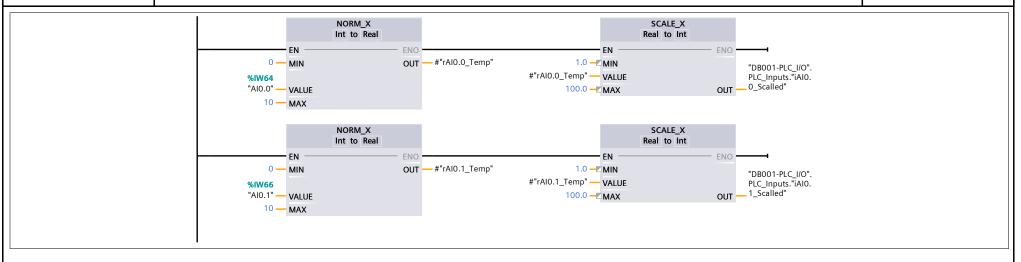
Totally Integrated Automation Portal		
Network 3: BANK_1		•
> DI1.0 - DI1.5		
	"DB0 *M1.2 %I1.0 PLC_I "AlwaysTRUE" "DI1.0"	01-PLC_I/O". Inputs."xDl1. 0" —()——
	%11.1 PLC_I "DI1.1"	01-PLC_I/O". Inputs."xDI1. 1"
	"DBO PLC_I"	01-PLC_I/O". Inputs."xDl1. 2"
	%I1.3 "DI1.3"	01-PLC_I/O". inputs."xDl1. 3" —()———
	"DB0 %11.4" PLC_I	01-PLC_I/O". Inputs."xDI1. 4"
	"DBO %11.5" "D11.5"	01-PLC_I/O". Inputs."xDl1. 5"
Network 4: =========	DIGITAL_OUTPUTS ==========	

Network 5: BANK_0

> DQ0.0 - DQ0.7

```
"DB001-PLC_I/O".
                                                                                            %Q0.0
"DQ0.0"
   %M1.2
                     PLC_Outputs.x
                     Left_GreenLED
"AlwaysTRUE"
                                                                                             -( }-----
                    "DB001-PLC_I/O".
PLC_Outputs.x
Left_AmberLED
                                                                                            %Q0.1
                                                                                            "DQ0.1"
                    "DB001-PLC_I/O".
                                                                                            %Q0.2 "DQ0.2"
                     PLC_Outputs.x
Left_RedLED
                    "DB001-PLC_I/O".
                    PLC_Outputs.x
Right_GreenLED
                                                                                            %Q0.3
                                                                                            "DQ0.3"
                    "DB001-PLC_I/O".
                   PLC_Outputs.x
Right_AmberLED
                                                                                            %Q0.4
                                                                                            "DQ0.4"
                    "DB001-PLC_I/O".
                     PLC_Outputs.x
                                                                                            %Q0.5
                     Right_RedLED
                                                                                            "DQ0.5"
                    "DB001-PLC_I/O".
                    PLC_Outputs."x
DQ0.6"
                                                                                            %Q0.6
                                                                                            "DQ0.6"
                    "DB001-PLC_I/O".
PLC_Outputs."x
                                                                                            %Q0.7
                         DQ0.7"
                                                                                            "DQ0.7"
                                                                                             \leftarrow
```

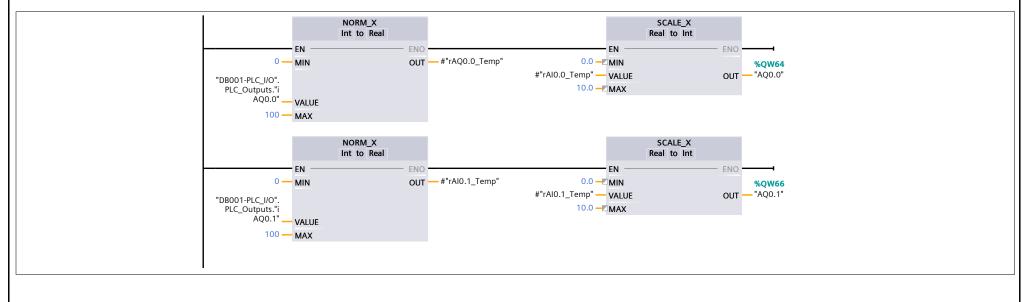
Totally Integrated Automation Portal		
Network 6: BANK_1		
> DQ1.0 - DQ1.1		
	"DB001-PLC_I/O". PLC_Outputs."x	
Network 7: ======	======= ANALOG_PROCESSING ===========	
Network 8: ANALOG_	INPUTS	
> 0V to 10V Analog Scalli > change MIN/MAX value	ng s accordingly	



Network 9: ANALOG_OUTPUTS

> 0V to 10V Analog Scalling

> change MIN/MAX values accordingly



Totally Integrated Automation Portal		
TDAFFIG LIGHT	S DRIDGE CROSSING OCLUBACIO AMBERIATRA FEIG LIGUES DI GEORI ADAFO D	

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / Program blocks / WS01_TVET_Workstation / 01-Traffic_Logic

FB001-Traffic_Control [FB1]

FB001-Traffic_Control Properties							
General							
Name	FB001-Traffic_Control	Number	1	Туре	FB	Language	SCL
Numbering	Manual						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID			•		-

Name	Data type	Default value	Retain
Input			
▼ Output			
xLeftSide_Green	Bool	false	Non-retain
xLeftSide_Amber	Bool	false	Non-retain
xLeftSide_Red	Bool	false	Non-retain
xRightSide_Green	Bool	false	Non-retain
xRightSide_Amber	Bool	false	Non-retain
xRightSide_Red	Bool	false	Non-retain
InOut			
▼ Static			
xFirstScan	Bool	false	Non-retain
iState	Int	0	Non-retain
TONs	Struct		Non-retain
Temp			
▼ Constant			
3sec	Time	t#3s	
5sec	Time	t#5s	
10sec	Time	t#10s	

0001 REGION OPENING COMMENTS

0002



```
0003 * BASIC PROGRAM OPERATION:
0004 * On startup - both sides start with GREEN LEDs OFF and RED LEDs ON for 5sec.
0005 * After the initial 5sec has elapsed, left side switches to GREEN ON (RED OFF) for 10sec.
0006 *
0007 * After 10sec has elapsed, left side switches to AMBER ON (GREEN OFF) for 3sec.
0008 * After 3sec has elapsed, left side switches to RED ON & right side switches to GREEN ON after a 3sec transition
     delay (left AMBER & right RED OFF) for 10sec.
0009 *
0010 * After 10sec has elapsed, right side switchs to AMBER ON (right GREEN OFF) for 3sec.
0011 * After 3sec has elapsed, right side switches to RED ON & left side switches to GREEN ON after a 3sec transition
     delay (right AMBER & left RED OFF) for 10sec.
0012 *
0013 * Process repeats.
0014 *
0015 * STATES:
0016 * 0 - Both sides RED for 5sec (initial state)
0017 * 1 - Left side GREEN for 10sec (right stays RED)
0018 * 2 - Left side AMBER for 3sec
0019 * 3 - Left-to-Right 3sec transition delay (both RED)
0020 * 4 - Right side GREEN for 10sec (left stays RED)
0021 * 5 - Right side AMBER for 3sec
0022 * 6 - Right-to-Left transition delay (both RED)
0023 * Loops around to state #1.
0024 *)
0025 END REGION
0026
0027
0028 REGION FIRST SCAN
0029
      // Catch first PLC scan
0030
      IF "FirstScan" THEN
0031
       #xFirstScan := TRUE;
0032
      END IF;
0033
0034
      // First PLC scan caught
0035
      IF #xFirstScan THEN
        // Start the inital delay timer & move to the next state
0036
0037
         #TONs.tInitial Delay(IN := TRUE,
                                             // timer input on
                   PT := #"5sec"); // 5sec duration
0038
0039
         #iState := 0; // initialize the state to 0
```

```
0040
       END IF;
0041 END REGION
0042
0043
0044 REGION STATE MACHINE
      // LED State Machine
0045
0046
      CASE #iState OF
0047
       0: // Initial state - both sides red for 5 sec
           #xLeftSide Green := FALSE; // left green off
0048
           #xRightSide Green := FALSE; // right green off
0049
           #xLeftSide Amber := FALSE; // left amber off
0050
           #xRightSide Amber := FALSE; // right amber off
0051
           #xLeftSide Red := TRUE; // left red on
0052
           #xRightSide Red := TRUE; // right red on
0053
0054
0055
          // Reset xFirstScan flag
0056
           IF #xFirstScan THEN
             #xFirstScan := FALSE;
0057
0058
           END IF;
0059
           // Wait for Initial Delay TON output
0060
           IF #TONs.tInitial Delay.O THEN
0061
            // Start the amber delay timer
0062
             #TONs.tLeftGreen Delay(IN := TRUE,
0063
                                                     // timer input on
0064
                          PT := #"10sec"); // 10sec duration
             // Reset initial timer & move to the next state
0065
            RESET TIMER(TIMER := #TONs.tInitial Delay);
0066
             #iState := 1;
0067
0068
           END IF;
0069
0070
        1: // Left side green for 10sec (right side stays red)
0071
           #xLeftSide Green := TRUE; // left green on
0072
           #xRightSide Green := FALSE; // right green off
           #xLeftSide Amber := FALSE; // left amber off
0073
           #xRightSide Amber := FALSE; // right amber off
0074
           #xLeftSide Red := FALSE; // left red off
0075
           #xRightSide Red := TRUE;
                                      // right red on
0076
0077
0078
           // Wait for LeftGreen Delay TON ouput
```

```
0079
           IF #TONs.tLeftGreen Delay.Q THEN
0800
             // Start the amber LED delay timer
             #TONs.tAmber Delay(IN := TRUE,
0081
                                               // timer input on
                        PT := \#"3sec"); //3sec duration
0082
             // Reset left green delay timer & move to the next state
0083
             RESET TIMER(TIMER := #TONs.tLeftGreen Delay);
0084
             #iState := 2;
0085
0086
           END IF;
0087
0088
         2: // Left side amber for 3sec
           #xLeftSide Green := FALSE; // left green off
0089
           #xRightSide Green := FALSE; // right green off
0090
           #xLeftSide Amber := TRUE; // left amber on
0091
           #xRightSide Amber := FALSE; // right amber off
0092
0093
           #xLeftSide Red := FALSE; // left red off
0094
           #xRightSide Red := TRUE;
                                       // right red on
0095
           // Wait for Amber Delay TON output
0096
           IF #TONs.tAmber Delay.Q THEN
0097
0098
            // Start the transition delay timer (both sides red)
             #TONs.tTransition Delay(IN := TRUE,
0099
                                                     // timer input on
                         PT := #"3sec"); // 3sec duration
0100
0101
             // Reset amber delay timer
0102
             RESET TIMER(TIMER := #TONs.tAmber Delay);
0103
             #iState := 3;
0104
           END IF;
0105
0106
         3: // Left-to-Right transition (both red)
0107
           #xLeftSide Green := FALSE; // left green off
           #xRightSide Green := FALSE; // right green off
0108
           #xLeftSide Amber := FALSE; // left amber off
0109
0110
           #xRightSide Amber := FALSE; // right amber off
0111
           #xLeftSide Red := TRUE; // left red on
           #xRightSide Red := TRUE; // right red on
0112
0113
0114
           // Wait for Transition Delay TON output
0115
           IF #TONs.tTransition Delay.Q THEN
             // Start the right green delay timer
0116
             #TONs.tRightGreen Delay(IN := TRUE,
0117
                                                      // timer input on
```

```
0118
                         PT := #"10sec"); // 10sec duration
0119
             // Reset transition delay timer & move to the next state
0120
             RESET TIMER(TIMER := #TONs.tTransition Delay);
0121
             #iState := 4;
0122
           END IF;
0123
0124
         4: // Right side green & left side red for 10sec
0125
           #xLeftSide Green := FALSE; // left green off
           #xRightSide Green := TRUE; // right green on
0126
           #xLeftSide Amber := FALSE; // left amber off
0127
           #xRightSide Amber := FALSE; // right amber off
0128
           #xLeftSide Red := TRUE; // left red on
0129
0130
           #xRightSide Red := FALSE; // right red off
0131
0132
           // Wait for RightGreen Delay TON ouput
0133
           IF #TONs.tRightGreen Delay.Q THEN
             // Start the amber LED delay timer
0134
0135
             #TONs.tAmber Delay(IN := TRUE,
                                                // timer input on
0136
                        PT := \#"3sec"); //3sec duration
             // Reset right green delay timer & move to the next state
0137
             RESET TIMER(TIMER := #TONs.tRightGreen Delay);
0138
0139
             #iState := 5;
0140
           END IF;
0141
0142
         5: // Right side AMBER for 3sec
0143
           #xLeftSide Green := FALSE; // left green off
           #xRightSide Green := FALSE; // right green off
0144
           #xLeftSide Amber := FALSE; // left amber off
0145
           #xRightSide Amber := TRUE; // right amber on
0146
           #xLeftSide Red := TRUE; // left red on
0147
0148
           #xRightSide Red := FALSE; // right red off
0149
0150
           // Wait for Amber Delay TON output
0151
           IF #TONs.tAmber Delay.Q THEN
0152
             // Start the transition delay timer
0153
             #TONs.tTransition Delay(IN := TRUE,
                                                     // timer input on
0154
                         PT := \#"3sec"); // 3sec duration
0155
             // Reset amber delay timer
0156
             RESET TIMER(TIMER := #TONs.tAmber Delay);
```

```
0157
             #iState := 6;
0158
           END IF;
0159
           ;
         6: // Right-to-Left transition (both red)
0160
0161
           #xLeftSide Green := FALSE; // left green off
0162
           #xRightSide Green := FALSE; // right green off
           #xLeftSide Amber := FALSE; // left amber off
0163
           #xRightSide Amber := FALSE; // right amber off
0164
0165
           #xLeftSide Red := TRUE;
                                    // left red on
           #xRightSide Red := TRUE;
0166
                                      // right red on
0167
0168
           // Wait for Transition Delay TON output
           IF #TONs.tTransition Delay.Q THEN
0169
            // Start the left green delay timer
0170
0171
             #TONs.tLeftGreen Delay(IN := TRUE,
                                                    // timer input on
                          PT := #"10sec"); // 10sec duration
0172
            // Reset transition delay timer & loop back to state 1
0173
0174
            RESET TIMER(TIMER := #TONs.tTransition Delay);
0175
             #iState := 1;
0176
           END IF;
0177
      END CASE;
0178 END REGION
```

Totally Integrated Automation Portal							
TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / Program blocks / WS01_TVET_Workstation / 01-Traffic_Logic FB001-Traffic_Control_DB [DB2]							
FB001-Traffic_Control_DE	Properties						
General							

FB001-Traffic_Control_DB Properties							
General							
Name	FB001-Traffic_Control_DB	Number	2	Туре	DB	Language	DB
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Start value	Retain
Input			
▼ Output			
xLeftSide_Green	Bool	false	False
xLeftSide_Amber	Bool	false	False
xLeftSide_Red	Bool	false	False
xRightSide_Green	Bool	false	False
xRightSide_Amber	Bool	false	False
xRightSide_Red	Bool	false	False
InOut			
▼ Static			
xFirstScan	Bool	false	False
iState	Int	0	False
TONs	Struct		False

Totally Integrated Automation Portal	
TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 121:	5C DC/DC/DC]
Technology objects	
This folder is empty.	

Totally Integrated Automation Portal		
TRAFFIC_LIGHT PLC tags / Defau	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D ult tag table [30]	C/DC/DC] /
PLC tags		
PLC tags Name	Data type Address	Retain

Totally Integrated Automation Portal		
	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C Dult tag table [30]	OC/DC/DC] /
User constants		
User constants		
Name	Data type Value	

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Automation Portal

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / PLC tags / PLC_Inputs [16]

PLC tags

Name	Data type	Address	Retain
DI0.0	Bool	%10.0	False
DI0.1	Bool	%10.1	False
DI0.2	Bool	%10.2	False
DI0.3	Bool	%10.3	False
DI0.4	Bool	%10.4	False
DI0.5	Bool	%10.5	False
DI0.6	Bool	%10.6	False
DI0.7	Bool	%10.7	False
DI1.0	Bool	%I1.0	False
DI1.1	Bool	%I1.1	False
DI1.2	Bool	%l1.2	False
DI1.3	Bool	%I1.3	False
DI1.4	Bool	%11.4	False
DI1.5	Bool	%11.5	False
AIO.0	Word	%IW64	False
Al0.1	Word	%IW66	False

Totally Integrated Automation Portal		
TRAFFIC_LIGHTS PLC tags / PLC_I	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C Dnputs [16]	OC/DC/DC] /
User constants		
User constants Name	Data type Value	
rame	Jata type	

	Totally Integrated Automation Portal	
l		

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / PLC tags / PLC_Outputs [12]

PLC tags

Name	Data type	Address	Retain
DQ0.0	Bool	%Q0.0	False
DQ0.1	Bool	%Q0.1	False
DQ0.2	Bool	%Q0.2	False
DQ0.3	Bool	%Q0.3	False
DQ0.4	Bool	%Q0.4	False
DQ0.5	Bool	%Q0.5	False
DQ0.6	Bool	%Q0.6	False
DQ0.7	Bool	%Q0.7	False
DQ1.0	Bool	%Q1.0	False
DQ1.1	Bool	%Q1.1	False
AQ0.0	Word	%QW64	False
AQ0.1	Word	%QW66	False

Totally Integrated Automation Portal		
TRAFFIC_LIGHTS PLC tags / PLC_0	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C [Outputs [12]	DC/DC/DC] /
User constants		
User constants		
Name	Data type Value	
	1	

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TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / PLC tags / System_Tags [14]

PLC tags

PLC tags				
	Name	Data type	Address	Retain
	Clock_Byte	Byte	%MBO	False
1	Clock_10Hz	Bool	%M0.0	False
	Clock_5Hz	Bool	%M0.1	False
	Clock_2.5Hz	Bool	%M0.2	False
1	Clock_2Hz	Bool	%M0.3	False
	Clock_1.25Hz	Bool	%M0.4	False
1	Clock_1Hz	Bool	%M0.5	False
	Clock_0.625Hz	Bool	%M0.6	False
1	Clock_0.5Hz	Bool	%M0.7	False
1	System_Byte	Byte	%MB1	False
ī	FirstScan	Bool	%M1.0	False
T	DiagStatusUpdate	Bool	%M1.1	False
	AlwaysTRUE	Bool	%M1.2	False
	AlwaysFALSE	Bool	%M1.3	False

Totally Integrated		
Automation Portal		
TRAFFIC_LIGHTS PLC tags / Syste	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D m_Tags [14]	OC/DC/DC] /
User constants		
User constants		
Name	Data type Value	

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / PLC tags / Trigger_Tags [5]

PLC tags

PLC tags				
	Name	Data type	Address	Retain
1	xAmberTOF_Trig	Bool	%M2.0	False
1	xTrig2	Bool	%M2.1	False
- 11	xTrig3	Bool	%M2.2	False
1	xTrig4	Bool	%M2.3	False
1	xTrig5	Bool	%M2.4	False

Totally Integrated Automation Portal		
TRAFFIC_LIGHTS PLC tags / Triggs	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C Der_Tags [5]	C/DC/DC] /
User constants		
User constants Name	Data type Value	
, individual control of the control		

Totally Integrated Automation Portal		
TRAFFIC_LIGHT PLC data types	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D	C/DC/DC] /
System data type:	S	
This folder is empty.		
	1	

Totally Integrated Automation Portal				
TRAFFIC_LIGHTS Watch and force	S_BRIDGE_CROSSING_SCL_BASIC-AMBERe tables	R / TRAFFIC_LIGHTS_I	PLC [CPU 1215C [DC/DC/DC] /
Force table				
Name	Address	Display format	Force value	

Totally Integrated Automation Portal		
TRAFFIC_LIGHT	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D	C/DC/DC]
Traces		
Name		

Totally Integrated Automation Portal				
TRAFFIC_LIGHT Traces	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / Traces			
Measurements				
This folder is empty.				

Totally Integrated Automation Portal		
TRAFFIC_LIGHTS Traces	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D	C/DC/DC] /
Combined measur	rements	
Name		

Totally Integrated Automation Portal		
TRAFFIC_LIGHTS	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D nication	C/DC/DC] /
Server interfaces		
This folder is empty.		

Totally Integrated Automation Portal			
TRAFFIC_LIGHT	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C D	C/DC/DC]	
PLC alarm text lis	ts		
This folder is empty.			

Totally Integrated Automation Portal		
---	--	--

TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] / Local modules

TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]

TRAFFIC_LIGHTS_PLC	TRAFFIC_LIGHTS_PLC							
Project information								
Name	TRAFFIC_LIGHTS_PLC	Author	Admin	Comment				
Slot	1	Rack	0					
Catalog information								
Short designation	CPU 1215C DC/DC/DC	Description	Work memory 200 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC 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 215-1AG40-0XB0			
Firmware version	V4.6		False					

Totally Integrated Automation Portal				
Connection resources\				
	Station resources - Reserved - Max- imum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC] - Configured
Maximum number of resources:		34	34	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:	2	-	-	-
OPC UA client/server communica-	0	-	-	-
tion:				
Other communication:	-	-	0	0
Total resources used:		0	0	0
Available resources:		34	34	68

Overview of addresses\Overview of addresses\Overview of addresses							
	Inputs	True	Outputs	True	Address gaps	False	
	Slot	True					

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Automation Port	al

Гуре	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO sys- tem	Rack	Slot
	0	1	DI 14/DQ 10_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 1
)	0	1	DI 14/DQ 10_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 1
	64	67	AI 2/AQ 2_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]		4 Bytes	-	0	1 2
)	64	67	AI 2/AQ 2_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 2
	1000	1003	HSC_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 16
	1004	1007	HSC_2	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 17
	1008	1011	HSC_3	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 18
	1012	1015	HSC_4	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 19
	1016	1019	HSC_5	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	4 Bytes	-	0	1 20
	1020	1023	HSC_6	Automatic up- date	TRAF- FIC_LIGHTS_PLC		4 Bytes	-	0	1 21

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Туре	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO sys- tem	Rack	Slot
					[CPU 1215C DC/DC/DC]					
)	1000	1001	Pulse_1	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 32
)	1002	1003	Pulse_2	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 33
0	1004	1005	Pulse_3	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 34
)	1006	1007	Pulse_4	Automatic up- date	TRAF- FIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]	-	2 Bytes	-	0	1 35

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TRAFFIC_LIGHT	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER									
Ungrouped device	es									
This folder is empty.										
	T									

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TRAFFIC_LIGHT	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER									
Security settings										
This folder is empty.										

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TRAFFIC_LIGHT	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / Cross-device functions / Project traces								
 Measurements									
This folder is empty.									

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TRAFFIC_LIGHT	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / Cross-device functions / Long-term	project traces
Measurements		
This folder is empty.		

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TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / Common data / Alarm classes

Alarm classes

Alarm classes						
Name	ID	Display name	Acknowledgment	Priority		
Acknowledgement	33	A	True	0		
No Acknowledgement	34	NA	False	0		

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TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / Common data	
Logs	
This folder is empty.	

Totally Integrated Automation Portal		
	S_BRIDGE_CROSSING_SCL_BASIC-AMBER / Languages & resources	
Project languages		
Languages Reference language English (United States)		
Editing language English (United States)		
Other project languages Empty		

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TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER / Languages & resources / Project texts

Project texts

English (United States)	Category	Reference
-	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\rAQ0.1_Temp
-	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\rAQ0.0_Temp
-	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\rAI0.1_Temp
-	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\rAl0.0_Temp
"Main Program Sweep (Cycle)"	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Block title
======================================	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 7\Title
====== DIGITAL_INPUTS	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 1\Title
====== DIGITAL_OUTPUTS =======	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 4\Title
====== I/O_HANDLING	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Network 2\Title
====== PROGRAM_INFORMA- TION ============	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Network 1\Title
====== TRAFFIC_CONTROL	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Network 3\Title
> 0V to 10V Analog Scalling > change MIN/MAX values accordingly	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 8\Comment

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English (United States)	Category	Reference
> 0V to 10V Analog Scalling > change MIN/MAX values accordingly	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 9\Comment
> Call the PLC I/O Handler Function	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Network 2\Comment
> Call the Traffic Control Function Block	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\Main [OB1]\Network 3\Comment
> DI0.0 - DI0.7	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 2\Comment
> DI1.0 - DI1.5	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 3\Comment
> DQ0.0 - DQ0.7	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 5\Comment
> DQ1.0 - DQ1.1	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 6\Comment
Α	Alarm class text	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
A	Alarm class text	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\Acknowledgement\ShortName
Analog Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Inputs [16]\AI0.0\Comment
Analog Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Inputs [16]\AI0.1\Comment
Analog Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\AQ0.0\Comment
Analog Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\AQ0.1\Comment
ANALOG_INPUTS	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 8\Title
ANALOG_OUTPUTS	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 9\Title
BANK_0	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 2\Title

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English (United States)	Category	Reference
BANK_0	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 5\Title
BANK_1	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 3\Title
BANK_1	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\FC001-PLC_I/O_Handler [FC1]\Network 6\Title
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.0\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.1\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.2\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.3\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.4\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.5\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.6\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI0.7\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.0\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.1\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.2\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.3\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.4\Comment
Digital Input	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Inputs [16]\DI1.5\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.0\Comment

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English (United States)	Category	Reference
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.1\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.2\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.3\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.4\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.5\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.6\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ0.7\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ1.0\Comment
Digital Output	Text category tag comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\PLC tags\PLC_Outputs [12]\DQ1.1\Comment
First PLC scan catch bit	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xFirstScan
Left Side Amber LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xLeft_AmberLED
Left Side Amber LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xLeftSide_Amber
Left Side Green LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xLeft_GreenLED
Left Side Green LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xLeftSide_Green
Left Side Red LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xLeft_RedLED
Left Side Red LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xLeftSide_Red

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English (United States)	Category	Reference
NA	Alarm class text	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\No Acknowledgement\AlarmClassData_lDisplayNaming_DisplayName
NA	Alarm class text	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\No Acknowledgement\ShortName
PLC Inputs Structure	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Inputs
PLC Outputs Structure	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs
PT time constant	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\Ssec
PT time constant	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\3sec
PT time constant	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\10sec
Right Side Amber LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xRight_AmberLED
Right Side Amber LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xRightSide_Amber
Right Side Green LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xRight_GreenLED
Right Side Green LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xRightSide_Green
Right Side Red LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\00-I/O_Mapping\DB001-PLC_I/O [DB1]\PLC_Outputs.xRight_RedLED
Right Side Red LED	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\xRightSide_Red
State number	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\iState

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English (United States)	Category	Reference
Timer ON Delay	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\TONs.tInitial_Delay
Timer ON Delay	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\TONs.tLeftGreen_Delay
Timer ON Delay	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\TONs.tRightGreen_Delay
Timer ON Delay	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\TONs.tAmber_Delay
Timer ON Delay	Block comment	TRAFFIC_LIGHTS_BRIDGE_CROSSING_SCL_BASIC-AMBER\TRAFFIC_LIGHTS_PLC [CPU 1215C DC/DC/DC]\Program blocks\WS01_TVET_Workstation\01-Traffic_Logic\FB001-Traffic_Control [FB1]\TONs.tTransition_Delay