

SeniorProject

Totally Integrated Automation Portal		
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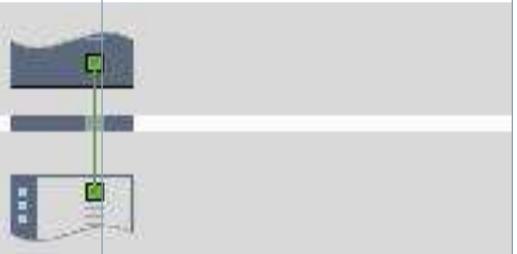
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## SeniorProject

Project						
Name:	SeniorProject	Creation time:	10/18/2019 10:32:10 PM	Last change	11/27/2019 11:23:15 PM	Author:
Last modified by:	abondar	Version:				abondar
Comment:						
Operating system						
Name	Description					
Operating system	Microsoft Windows 10 Enterprise					
Version of the operating system	6.3.9600.0					
Operating system service pack						
Version of the Internet Explorer	11.1087.16299.0					
Computer name	Q121-05					
User name	WIN\abondar					
Installation path of the TIA Portal	C:\Program Files\Siemens\Automation\Portal V15_1					
Components						
Name	Version	Release				
TIA Portal Multiuser Server V15.1 - TIA Portal Multiuser Server Single Setup-Package V15.1 Upd3 (MUSERVERV15_1)	V15.1 + Upd3	V15.01.00.03_05.01.00.01				
TIA Administrator - AWB Licensing Module V1.0 + SP1 + Upd1 (TIAADMIN)	V1.0 + SP1 + Upd1	V01.00.01.01_01.01.00.03				
TIA Administrator - AWB Software Management V1.0 + SP1 + Upd1 (TIAADMIN)	V1.0 + SP1 + Upd1	V01.00.01.01_01.01.00.03				
TIA Administrator - TIA UMC Agent Configurator Module V1.0 + SP1 + Upd1 (TIAADMIN)	V1.0 + SP1 + Upd1	V01.00.01.01_01.01.00.03				
TIA Administrator - TIA Administrator V1.0 SP1 Upd1 (TIAADMIN)	V1.0 + SP1 + Upd1	V01.00.01.01_01.01.00.03				
Totally Integrated Automation Portal V15.1 - TIA Portal Single SetupPackage V15.1 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - HM All Editions Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - HM NoBasic Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - Hardware Support Base Package 0 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Multiuser Client Single SetupPackage V15.1 + Upd3 (TIAP15_1)	V15.1 + Upd3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - STEP 7 Safety Single SetupPackage V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - SINAMICS Startdrive G110M, G120, G120C, G120D, G120P V15.1 + Upd2 (TIAP15_1)	V15.1 + Upd2	V15.01.00.02_37.03.00.04				
Siemens Totally Integrated Automation Portal V15.1 - Startdrive Hardware Support Base Package 1 V15.1 + Upd2 (TIAP15_1)	V15.1 + Upd2	V15.01.00.02_37.03.00.04				
Siemens Totally Integrated Automation Portal V15.1 - SINAMICS-START-DRIVE-COMMON V15.1 + Upd2 (TIAP15_1)	V15.1 + Upd2	V15.01.00.02_37.03.00.04				
Siemens Totally Integrated Automation Portal V15.1 - SINAMICS-START-DRIVE-COMMON-SAT V15.1 + Upd2 (TIAP15_1)	V15.1 + Upd2	V15.01.00.02_37.03.00.04				
Siemens Totally Integrated Automation Portal V15.1 - SINAMICS Startdrive G130, G150, S120, S150, SINAMICS MV V15.1 + Upd2 (TIAP15_1)	V15.1 + Upd2	V15.01.00.02_37.03.00.04				
Siemens Totally Integrated Automation Portal V15.1 - STEP 7 Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - Hardware Support Base Package 02 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Hardware Support Base Package 03 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Hardware Support Base Package 04 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Support Base Package TO-01 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Support Base Package TO-02 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - Hardware Support Base Package WCF-01 V15.1 (TIAP15_1)	V15.1	V15.01.00.00_11.01.00.07				
Siemens Totally Integrated Automation Portal V15.1 - TIACOMPCHECK Single SetupPackage V15.1 + Upd3 (TIAP15_1)	V15.1 + Upd3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - Simatic Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - Openness SetupPackage V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - TcGateway SetupPackage V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Transfer Current All Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Transfer Current CAP Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Transfer Legality All Single SetupPackage V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Transfer Legality CAP Single SetupPackage V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01				
Siemens Totally Integrated Automation Portal V15.1 - WinCC Transfer Mandatory Single SetupPackage V15.1 UPD3 (TIAP15_1)	V15.1 UPD3	V15.01.00.03_05.01.00.01				
User Management Component - UserManagementComponentx64 01.9 + SP1 (UMC64)	V01.9 + SP1 + Upd3	V01.09.01.03_01.01.00.11				
WinCC Runtime Advanced V15.1 - HMIRTM Tagging Package 01 Single SetupPackage V15.1 UPD3 (HMIRTM_V11)	V15.1 UPD3	V15.01.00.03_05.01.00.01				

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<b>Name</b>	<b>Version</b>	<b>Release</b>
PLCSIM Advanced Single SetupPackage - PLCSIM Advanced Single SetupPackage V2.0 SP1 (PLCSIMADV)	V2.0 + SP1	V02.00.01.00_28.01.00.01
WinCC Runtime Professional V15 - SIMATIC WinCC Runtime V15.1 (SCADA-RT_V11)	V15.1	V07.04.65.00_01.38.00.04
WinCC Runtime Professional V15 - OPCUA_Client V1.0 + SP2 + Upd1 (SCADA-RT_V11)	V1.0 + SP2 + Upd1	V01.00.02.01_01.07.00.01
WinCC Runtime Professional V15 - SCADA Simulation Single SetupPackage V15.1 (SCADA-RT_V11)	V15.1	V15.01.00.00_28.01.00.01
Siemens Totally Integrated Automation Portal V15.1 - Simatic Single SetupPackage 32 Bit V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01
Siemens Totally Integrated Automation Portal V15.1 - WinCC Single SetupPackage 32 Bit V15.1 (TIAP15_1)	V15.1	V15.01.00.00_28.01.00.01
SIMATIC HMI License Manager Panel Plugin (x64)	15.1.0.0	V15.01.00.00_28.01.00.01
SIMATIC WinCC Runtime Advanced Driver (x64)	15.1.0.0	V15.01.00.00_28.01.00.01
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	15.01.00	15.01.00.00_17.00.02.01
SIMATIC PLCSIM Advanced Driver64	2.0.1.0	V02.00.01.00_28.01.00.01
SIMATIC Device Drivers	9.2	09.02.01.01_01.01.00.01
Automation Software Updater	02.04.0000	V02.04.00.00_01.12.00.05
SIMATIC HMIProvider	7.0	K07.00.03.01_01.01.00.01
SIEMENS OPC	3.9	03.09.08.00_01.07.00.01
OPC-XML-Gateway	13.0.0.0	V13.0.0.0_1.1.0.8
SIMATIC PLCSIM Advanced SimRT	2.0.1.0	V02.00.01.00_28.01.00.01
SIMATIC HMI ProSave	15.1.0.0	V15.01.00.00_28.01.00.01
SIMATIC HMI Symbol Library	15.1.0.0	V15.01.00.00_28.01.00.01
SIMATIC HMI Touch Input	15.1.0.0	V15.01.00.00_28.01.00.01
SIMATIC Runtime Interfaces	2.1	K02.01.00.03_01.01.00.01
SIMATIC Device Drivers WoW	29.2	29.02.01.01_01.01.00.01
SIMATIC Event Database	5.6	05.06.01.00_02.01.00.01
SeCon	2.5	V02.05.01.01_01.01.00.02
SIMATIC Station Observer	K7.3.1.0	V07.03.01.00_01.01.00.14
SIMATIC SCS	K7.5.1.0	V07.05.01.00_01.13.00.01
SIMATIC WinCC Common Archiving	K7.4.65.0	V07.04.65.00_01.38.00.04
WinCC Runtime Advanced Simulator	15.1.0.0	V15.01.00.00_28.01.00.01
<b>Products</b>		
<b>Name</b>	<b>Version</b>	<b>Release</b>
TIA Portal Multiuser Server	V15.1 Upd3	V15.01.00.03_05.01.00.01
TIA Administrator	V1.0	V01.00.01.01_01.01.00.03
Legacy Panel Images	V15.1	V15.01.00.00_28.01.00.01
TIA Openness	V15.1	V15.01.00.00_33.00.00.01
SIMATIC STEP 7 Safety	V15.1	V15.01.00.00_28.01.00.01
SINAMICS G110M, G120, G120C, G120D, G120P	V15.1 Upd2	V15.01.00.02_37.03.00.04
SINAMICS G130, G150, S120, S150, SINAMICS MV, S210	V15.1 Upd2	V15.01.00.02_37.03.00.04
SIMATIC STEP 7 Professional - WinCC Professional	V15.1 Upd3	V15.01.00.03_05.01.00.01
User Management Component x64	V1.9 SP1	V01.20.00.00_01.01.00.01
SIMATIC WinCC Runtime Advanced Simulation	V15.1 Upd3	V15.01.00.03_05.01.00.01
S7-PLCSIM Advanced	V2.0 SP1	V02.00.01.00_28.01.00.01
SIMATIC WinCC Runtime Professional Simulation	V15.1	V15.01.00.00_28.01.00.01
TIA Portal Cloud Connector	V1.1 + SP3	01.01.03.00_01.04.00.01
Automation License Manager	V6.0 + SP4 + Upd1	06.00.04.01_01.01.00.04
SIMATIC WinCC/Audit Viewer	2008 SP2	V07.02.00.00_01.05.00.02
SIMATIC OPC-XML-Gateway	V13.0	V13.0.0.0_1.1.0.8
S7-PLCSIM	V5.4 + SP8	V05.04.08.01_01.24.00.01
SIMATIC ProSave	V15.1	V15.01.00.00_28.01.00.01

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<b>SeniorProject</b>				
<b>PLC_1 [CPU 1511F-1 PN]</b>				
<b>PLC_1</b>				
<b>General\Project information</b>				
Name	PLC_1	Author	abondar	Comment
Rack	0	Slot	1	
<b>General\Catalog information</b>				
Short designation	CPU 1511F-1 PN	Description	Fail-safe CPU with display; work memory 225 KB code and 1 MB data; can be used for safety applications; supports consistent safety upload; supports PROFlsafe V2; 60 ns bit instruction time; 5-stage protection concept, integrated technology functions: motion control, closed-loop control, counting & measuring; tracing; PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-device, MRP, MRPD, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, DNS client, OPC UA: Server DA, Client DA, Methods, Companion Specifications; constant bus cycle time, routing; Runtime options, firmware V2.6	Article number 6ES7 511-1FK02-0AB0
Firmware version	V2.6			
<b>General\Identification &amp; Maintenance</b>				
Plant designation		Location identifier		Installation date 2019-10-18 22:34:16.201
Additional information				
<b>General\Checksums</b>				
Text lists	FA 70 E8 75 1D 5A 8E 29	Software	E3 A9 A1 E7 7B 7D F9 03	
<b>Fail-safe\F-activation</b>				
F-capability activated	1			
<b>Fail-safe\F-parameters</b>				
Central F-source address	1	Default F-monitoring time for central F-I/O	150ms	
<b>Fail-safe\F-destination address range for PROFlsafe address type 1</b>				
Low limit for F-destination addresses	1	High limit for F-destination addresses	99	
<b>PROFINET interface [X1]\General</b>				
Name	PROFINET interface_1	Author	abondar	Comment
<b>PROFINET interface [X1]\F-parameters</b>				
Default F-monitoring time for F-I/O of this interface	150ms			
<b>PROFINET interface [X1]\Ethernet addresses\Interface networked with</b>				
Subnet:	PN/IE_1			
<b>PROFINET interface [X1]\Ethernet addresses\IP protocol</b>				
IP configuration	Set IP address in the project	IP address:	192.168.0.10	Subnet mask: 255.255.255.0
Use router	False			
<b>PROFINET interface [X1]\Ethernet addresses\PROFINET</b>				
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	
<b>PROFINET interface [X1]\Time synchronization\NTP mode</b>				
Note	Time synchronization for all PROFINET interfaces take place within the settings for time synchronization of the PROFINET interface [X1].	Enable time synchronization via NTP server	False	
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	10s	
<b>PROFINET interface [X1]\Operating mode</b>				
IO controller	True	IO system	PROFINET IO-System (100)	Device number 0
IO device	False			
<b>PROFINET interface [X1]\Advanced options\Interface options</b>				
Call the user program if communication errors occur	False	Support device replacement without exchangeable medium	True	Permit overwriting of device names of all assigned IO devices False
Limit data infeed into the network	True	Use IEC V2.2 LLDP mode	False	Keep-Alive connection monitoring: 30s
<b>PROFINET interface [X1]\Advanced options\Media redundancy</b>				
MRP domain	mrpdomain-1	Media redundancy role:	Not device in the ring	
<b>PROFINET interface [X1]\Advanced options\Real time settings\IO communication</b>				
Send clock:	1.000ms			
<b>PROFINET interface [X1]\Advanced options\Real time settings\Synchronization</b>				
Sync domain:	Sync-Domain_1	Synchronization role:	Unsynchronized	RT class: RT,IRT
<b>PROFINET interface [X1]\Advanced options\Real time settings\Real time options</b>				
Calculated bandwidth for cyclic IO data:	0.007ms	Calculated bandwidth for cyclic IO data:	0.704%	
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\General</b>				
Name	Port_1	Author	abondar	Comment

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<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port interconnection\Local port:</b>				
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1 R]	Medium:	Copper	Cable name: ---
				
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port interconnection\Partner port:</b>				
	Monitoring of partner port is not possible	Alternative partners	False	Partner port: Any partner
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Activate</b>				
Activate this port for use	True			
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Connection</b>				
Transmission rate / duplex:	Automatic	Monitor	False	Enable autonegotiation: True
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Boundaries</b>				
End of detection of accessible devices	False	End of topology discovery	False	End of the sync domain: False
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\General</b>				
Name	Port_2	Author	abondar	Comment
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port interconnection\Local port:</b>				
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_2 [X1 P2 R]	Medium:	Copper	Cable name: ---
				
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port interconnection\Partner port:</b>				
	Monitoring of partner port is not possible	Alternative partners	False	Partner port: Any partner
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Activate</b>				
Activate this port for use	True			
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Connection</b>				
Transmission rate / duplex:	Automatic	Monitor	False	Enable autonegotiation: True
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Boundaries</b>				
End of detection of accessible devices	False	End of topology discovery	False	End of the sync domain: False
<b>PROFINET interface [X1]\Web server access</b>				
Note	The Web server must also be activated in the properties of the PLC.	Enable Web server using this interface	True	
<b>Startup</b>				
Startup after POWER ON	Warm restart - Operating mode before POWER OFF	Comparison preset to actual configuration	Startup CPU even if mismatch	Configuration time: 60000ms
<b>Cycle</b>				
Maximum cycle time	150ms			Enable minimum cycle time for cyclic OBs: True
Minimum cycle time	1ms			
<b>Communication load</b>				
Cycle load due to communication	50%			
<b>System and clock memory\System memory bits</b>				
Enable the use of system memory byte	False	Address of system memory byte (MBx)	1	First cycle
Diagnostic status changed		Always 1 (high)		Always 0 (low)
<b>System and clock memory\Clock memory bits</b>				
Enable the use of clock memory byte	True	Address of clock memory byte (MBx)	10	10 Hz clock: %M10.0 (Clock_10Hz)
5 Hz clock	%M10.1 (Clock_5Hz)	2.5 Hz clock	%M10.2 (Clock_2.5Hz)	2 Hz clock: %M10.3 (Clock_2Hz)
1.25 Hz clock	%M10.4 (Clock_1.25Hz)	1 Hz clock	%M10.5 (Clock_1Hz)	0.625 Hz clock: %M10.6 (Clock_0.625Hz)
<b>SIMATIC Memory Card\Diagnostics</b>				
Aging of the SIMATIC memory card	False	Threshold value	80%	
<b>System diagnostics\General</b>				
Activate system diagnostics for this device	True	Report network faults as maintenance instead of fault	False	
<b>PLC alarms\General</b>				
Central alarm management in the PLC	True			
<b>Web server\General</b>				
Activate web server on this module	True	Permit access only with HTTPS	True	
<b>Web server\Automatic update</b>				
Enable automatic update	True	Update interval	10s	

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<b>Web server\User management</b>					
<b>User name</b>		<b>User rights</b>			
Everybody					
Admin		Query diagnostics ,Read tags ,Write tags ,Read tag status ,Write tag status ,Acknowledge messages ,Open user-defined pages ,Write in user-defined web pages ,Read files ,Write/delete files ,Change operating mode ,Let LED flash ,Perform firmware update ,create a backup of the PLC ,restore the PLC by a backup file ,perform changes as F-Admin			
<b>Web server\User-defined web pages</b>					
Application name	HTML source path	Default HTML page	Files with dynamic content	Web DB number	Fragment DB number
		index.htm	.htm;.html	333	334
<b>Web server\Overview of interfaces</b>					
Device	Interface	<b>Enabled web server access</b>			
PLC_1	PROFINET interface_1	True			
<b>DNS configuration</b>					
No DNS server address is configured.					
<b>Display\General\Display standby mode</b>					
Time to standby mode	30 minutes				
<b>Display\General\Energy saving mode</b>					
Time to energy saving mode	15 minutes				
<b>Display\General\Display language</b>					
Default language on display	English				
<b>Display\Automatic update</b>					
Time to update	5 seconds				
<b>Display&gt;Password\Display protection</b>					
Enable write access	True	Enable display protection	False		
<b>Display\User-defined logo\</b>					
User logo activated	False	Adapt logo	False	Resolution	128x120
Company logo	---				
<b>User interface languages</b>					
<b>Assign project language</b>		<b>User interface languages</b>			
English (United States)		German			
English (United States)		English			
English (United States)		French			
English (United States)		Spanish			
English (United States)		Italian			
English (United States)		Japanese			
English (United States)		Chinese (simplified)			
English (United States)		Korean			
English (United States)		Russian			
English (United States)		Turkish			
English (United States)		Portuguese (Brazil)			
<b>Time of day\Local time</b>					
Time zone	(UTC) Dublin, Edinburgh, Lisbon, London				
<b>Time of day\Daylight saving time</b>					
Activate daylight saving time	True	Difference between standard and daylight saving time	60mins		
<b>Time of day\Daylight saving time\Start of daylight saving time</b>					
Selection of the week	Last	Selection of the weekday	Sunday	of	March
at	01:00 a.m.				
<b>Time of day\Daylight saving time\Start of standard time</b>					
Selection of the week	Last	Selection of the weekday	Sunday	of	October
at	02:00 a.m.				
<b>Protection</b>					
Level of protection	Full access with fail-safe (no protection)				
<b>Protection\Connection mechanisms</b>					
Permit access with PUT/GET communication from remote partner	False				
<b>Protection\Security event</b>					
Summarize security events in case of high message volume	True	Length of an interval	20	Unit	seconds
<b>OPC UA\Accessibility of the server</b>					
Activate OPC UA server	False				
<b>OPC UA\Accessibility of the client</b>					
Activate OPC UA client	False				
<b>System power supply\General</b>					
General	Connection to supply voltage L+				
<b>System power supply\Power segment overview</b>					
Module	Slot	<b>Supply/consumption</b>			
PLC_1	1	10.00W			
DI 16x24VDC SRC BA_1	2	-0.90W			
DQ 16x24VDC/0.5A HF_1	3	-1.10W			
F-DI 16x24V DC_1	4	-0.90W			
	Summary	7.10W			

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<b>Configuration control\Configuration control for central configuration</b>											
Allow reconfiguration of device via the user program	False										
<b>Connection resources\</b>											
		<b>Station resources - Reserved - Maximum</b>			<b>Station resources - Reserved - Configured</b>		<b>Station resources - Dynamic - Configured</b>		<b>Module resources - PLC_1 [CPU 1511F-1 PN] - Configured</b>		
Maximum number of resources:					10		54		64		
PG communication:		Maximum			Configured		Configured		Configured		
HMI communication:		4			-		-		-		
S7 communication:		4			2		0		2		
Open user communication:		0			-		0		0		
Web communication:		0			-		-		-		
Other communication:		2			-		0		0		
Total resources used:					2		0		2		
Available resources:					8		54		62		
<b>Overview of addresses\Overview of addresses\Overview of addresses</b>											
Inputs	True			Outputs	True			Address gaps	False		
Slot	True										
Type	Addr. from	Addr. to	Module	PIP	OB	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 16x24VDC SRC BA_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	2
O	0	1	DQ 16x24VDC/0.5A HF_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	3
I	2	10	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	9 Bytes	-	0	4
O	2	6	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	5 Bytes	-	0	4
I	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
O	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
I	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150
O	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150
<b>Runtime licenses\OPC UA\Runtime licenses</b>											
Type of required license	None			Type of purchased license	No license						
<b>Runtime licenses\ProDiag\Supervisions</b>											
Number of used supervisions	0										
<b>Runtime licenses\ProDiag\Runtime licenses</b>											
Number of required licenses	None (<= 25 supervisions)			Used ProDiag licenses	No license						
<b>Runtime licenses\Energy Suite\Energy objects</b>											
Number of configured energy objects	0										
<b>Runtime licenses\Energy Suite\Runtime licenses</b>											
Total number of licensed energy objects	0										
<b>Runtime licenses\Energy Suite\Runtime licenses\Number of purchased licenses</b>											
License type '5 energy objects'	No license			License type '10 energy objects'	No license						

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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Safety Administration</b>		
<b>Safety summary</b>		
<b>General information</b>		
<b>F-signatures</b>		
Collective F-signature	7E27EFB2	
Software F-signature	D3A692A8	
Hardware F-signature	AA815D0A	
Communication address F-signature	----	
<b>Current compilation</b>		
Safety program state	The offline safety program is consistent.	
Compilation time	11/26/2019 4:59:21 PM (UTC -5:00)	
<b>Used versions</b>		
STEP 7	STEP 7 Professional V15.1 Update 3	
Safety	STEP 7 Safety V15.1	
<b>Access protection</b>		
Safety program	The safety program is protected by password	
F-CPU	Full access with fail-safe (no protection)	
<b>Notes</b>		
<b>Location</b>	<b>Note</b>	<b>Additional info</b>
General information	The response time of your safety function also depends on the cycle time of the F-OB and the runtime of the F-runtime group. When using distributed F-I/O modules, the response time also depends on the PROFINET/PROFIBUS parameter assignment. The configuration and parameter assignment of the standard system also has an effect on the response time of your safety function. Note that the configuration and parameter assignment of the standard system is not subject to the access protection of the safety program and does not change the F collective signature.	Note the warning "S085" in the manual and in the STEP 7 Safety online help.
<b>Safety program settings</b>		
Safety mode can be disabled	No	
Assignment of F-system block numbers	F-system managed	
Safety system version	V2.2	
Variable F-communication IDs enabled	Yes	
<b>System library elements used in safety program</b>		
<b>Instructions (optional package STEP 7 Safety)</b>		
<b>Name</b>	<b>Used version</b>	
ACK_GL	V1.3	
ESTOP1	V1.6	
TP	V1.4	
Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;		

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<b>Information on F-runtime group</b>		
<b>RTG1</b>		
<b>Fail-safe organization block</b>		
Name	FOB_RTG1 [OB129]	
Event class	Cyclic interrupt	
Cycle time	100000 µs	
Phase shift	0 µs	
Priority	2	
<b>Main safety block</b>		
Name	Main_Safety_RTG1 [FB1]	
I-DB for main safety block	Main_Safety_RTG1_DB [DB1]	
<b>F-runtime group parameters</b>		
Name	F-runtime group 1	
Warn cycle time of the F-runtime group	110000 µs	
Maximum cycle time of the F-runtime group	120000 µs	
DB for F-runtime group communication	--	
F-runtime group information DB	RTG1SysInfo	
<b>Pre/Post processing</b>		
FC for pre processing	--	
FC for post processing	--	
Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;		

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## F-blocks in safety program

Block name [Block number]	Function in safety program	Used and compiled in F-RTG	Signature
FOB_RTG1 [OB129]	F-OB [system-protected]	RTG1	7E890E7B
LDrvSafe_SinaGTlg30Status [FB29010]	F-FB [user-protected]	RTG1	27131F87
LDrvSafe_SinaGTlg30Control [FB29000]	F-FB [user-protected]	RTG1	8F333427
Main_Safety_RTG1 [FB1]	F-FB	RTG1	93DCB834
LDrvSafe_SinaGTlg30Status_DB [DB9]	F-I-DB [user-protected]	RTG1	BFFE1BA9
LDrvSafe_SinaGTlg30Control_DB_1 [DB22]	F-I-DB [user-protected]	RTG1	B6EF63E4
Main_Safety_RTG1_DB [DB1]	F-IDB	RTG1	27E959F6

## Know-how protected F-blocks in the safety program

### LDrvSafe\_SinaGTlg30Control [FB29000]

Property	Value
Signature	8F333427
Safety system version	V2.0
STEP 7 Safety version	STEP 7 Safety V14
STEP 7 version	STEP 7 Professional V14 SP1 Update 2

The know-how protected F-block does not contain versioned instructions.

The know-how protected F-block does not include calls of F-blocks.

The know-how protected F-block does not include any PLC/DB tags.

### PLC data types used

Name	Type of UDT
LDrvSafe_typeSinaGTlg30Control	Fail-safe compliant

### LDrvSafe\_SinaGTlg30Status [FB29010]

Property	Value
Signature	27131F87
Safety system version	V2.0
STEP 7 Safety version	STEP 7 Safety V14
STEP 7 version	STEP 7 Professional V14 SP1 Update 2

The know-how protected F-block does not contain versioned instructions.

The know-how protected F-block does not include calls of F-blocks.

The know-how protected F-block does not include any PLC/DB tags.

### PLC data types used

Name	Type of UDT
LDrvSafe_typeSinaGTlg30Status	Fail-safe compliant

## F-compliant PLC data types in the safety program

PLC data type name, PLC data type number	Used in the safety program	Time stamp
LDrvSafe_typeSinaGTlg30Status [UDT5]	Yes	6/24/2019 12:03:52 PM (UTC -4:00)
LDrvSafe_typeSinaGTlg30Control [UDT3]	Yes	6/24/2019 12:03:52 PM (UTC -4:00)
Safety_IO [UDT1]	Yes	10/28/2019 12:20:05 PM (UTC -4:00)

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<b>Data from the standard user program</b>		
Absolute address	Symbolic operand	F-runtime group
I0.5	"Reset"	RTG1
Block name [Block number]		
Main_Safety_RTG1 [FB1]		
Network		
2		
<b>Parameters for safety-related CPU-CPU communications via RCV_DP, SEND_DP</b>		
No safety-related CPU-CPU communication via RCV_DP, SEND_DP is configured.		
Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;		

**Communications via Flexible F-Link**

No communications via Flexible F-Link are defined for the F-Program.

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### Hardware configuration of F-I/O

#### F-CPU information

Short designation	CPU 1511F-1 PN
Article number	6ES7 511-1FK02-0AB0
Firmware version	V2.6
Central F-source address	1
F-destination address range (PROFIsafe address type 1)	4095 .. 4095
F-destination address range (PROFIsafe address type 2)	65534 .. 65534

#### Central periphery

Rail - Slot	Module	Start address	F-destination address	F-monitoring time	Parameter signature (w/o addresses)
Rail_0-4	6ES7 526-1BH00-0AB0 F-DI 16x24V DC_1	2	65534	150 ms	0x8498 (33944)

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<b>F-DI 16x24V DC_1 : Central I/O Rail_0, Slot 4</b>		
<b>General parameters</b>		<b>Specific Parameters</b>
<b>Hardware</b>		<b>Sensor supply 0</b>
Name	F-DI 16x24V DC_1	Supplied channels
Slot	4	Channels [0...3]
Short designation	F-DI 16x24V DC	Short-circuit test activated
Article number	6ES7 526-1BH00-0AB0	Time for short-circuit test
Start address input	2	Startup time of sensor after short-circuit test
Start address output	2	
Hardware identifier	259	<b>Sensor supply 1</b>
F-monitoring time	150 ms	Supplied channels
F-source address	1	Channels [4...7]
F-destination address	65534	Short-circuit test activated
F-parameter signature (without addresses)	0x8498 (33944)	Time for short-circuit test
F-parameter signature (with addresses)	0xAA2F (43567)	Startup time of sensor after short-circuit test
Behavior after channel fault	Passivate channel	
RIOforFA-Safety	Yes	<b>Sensor supply 2</b>
PROFIsafe mode	V2 mode	Supplied channels
PROFIsafe protocol version	Expanded protocol (XP)	Channels [8...11]
Firmware version	V1.0	Short-circuit test activated
<b>Software</b>		Yes
F-I/O DB number	30002	Time for short-circuit test
F I/O DB name	F00002_F-DI16x24VDC_1	Startup time of sensor after short-circuit test
Used in F-runtime group	RTG1	
<b>Channel 0, 8</b>		
Sensor evaluation		1oo2 evaluation, non-equivalent
Discrepancy behavior		Supply value 0
Discrepancy time		5 ms
Reintegration after discrepancy error		Test 0-Signal not necessary
<b>Channel 0</b>		
Channel activated		Yes
Input delay		3.2 ms
Channel failure acknowledge		Manual
Pulse extension		--- sec
Chatter monitoring		No
Number of signal changes		5
Monitoring window		2 sec
<b>Channel 8</b>		
Channel activated		Yes
Input delay		3.2 ms
Channel failure acknowledge		Manual
Pulse extension		--- sec
Chatter monitoring		No
Number of signal changes		5
Monitoring window		2 sec
<b>Channel 1, 9</b>		
Sensor evaluation		1oo2 evaluation, equivalent
Discrepancy behavior		Supply value 0
Discrepancy time		5 ms
Reintegration after discrepancy error		Test 0-Signal not necessary
<b>Channel 1</b>		
Channel activated		Yes
Input delay		3.2 ms
Channel failure acknowledge		Manual
Pulse extension		--- sec
Chatter monitoring		No
Number of signal changes		5
Monitoring window		2 sec
<b>Channel 9</b>		
Channel activated		Yes
Input delay		3.2 ms
Channel failure acknowledge		Manual
Pulse extension		--- sec
Chatter monitoring		No
Number of signal changes		5
Monitoring window		2 sec
<b>Channel 2, 10</b>		
Sensor evaluation		1oo2 evaluation, equivalent
Discrepancy behavior		Supply value 0
Discrepancy time		5 ms
Reintegration after discrepancy error		Test 0-Signal not necessary
<b>Channel 2</b>		
Channel activated		Yes
Input delay		3.2 ms
Channel failure acknowledge		Manual
Pulse extension		--- sec
Chatter monitoring		No
Number of signal changes		5
Monitoring window		2 sec
<b>Channel 10</b>		
Channel activated		Yes

Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

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<b>General parameters</b>		<b>Specific Parameters</b>
		Input delay 3.2 ms
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 3, 11</b>		
Sensor evaluation 1oo2 evaluation, equivalent		
Discrepancy behavior Supply value 0		
Discrepancy time 5 ms		
Reintegration after discrepancy error Test O-Signal not necessary		
<b>Channel 3</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 11</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 4, 12</b>		
Sensor evaluation 1oo2 evaluation, non-equivalent		
Discrepancy behavior Supply value 0		
Discrepancy time 5 ms		
Reintegration after discrepancy error Test O-Signal not necessary		
<b>Channel 4</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 12</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 5, 13</b>		
Sensor evaluation 1oo2 evaluation, non-equivalent		
Discrepancy behavior Supply value 0		
Discrepancy time 5 ms		
Reintegration after discrepancy error Test O-Signal not necessary		
<b>Channel 5</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 13</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		
Number of signal changes 5		
Monitoring window 2 sec		
<b>Channel 6, 14</b>		
Sensor evaluation 1oo2 evaluation, equivalent		
Discrepancy behavior Supply value 0		
Discrepancy time 5 ms		
Reintegration after discrepancy error Test O-Signal not necessary		
<b>Channel 6</b>		
Channel activated Yes		
Input delay 3.2 ms		
Channel failure acknowledge Manual		
Pulse extension --- sec		
Chatter monitoring No		

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<b>General parameters</b>		<b>Specific Parameters</b>			
		Number of signal changes 5			
		Monitoring window 2 sec			
<b>Channel 14</b>					
Channel activated Yes					
Input delay 3.2 ms					
Channel failure acknowledge Manual					
Pulse extension --- sec					
Chatter monitoring No					
Number of signal changes 5					
Monitoring window 2 sec					
<b>Channel 7, 15</b>					
Sensor evaluation 1002 evaluation, equivalent					
Discrepancy behavior Supply value 0					
Discrepancy time 5 ms					
Reintegration after discrepancy error Test O-Signal not necessary					
<b>Channel 7</b>					
Channel activated Yes					
Input delay 3.2 ms					
Channel failure acknowledge Manual					
Pulse extension --- sec					
Chatter monitoring No					
Number of signal changes 5					
Monitoring window 2 sec					
<b>Channel 15</b>					
Channel activated Yes					
Input delay 3.2 ms					
Channel failure acknowledge Manual					
Pulse extension --- sec					
Chatter monitoring No					
Number of signal changes 5					
Monitoring window 2 sec					
<b>G120 CU240E_2_PN</b>					
Rail - Slot	Module	Start address	F-destination address	F-monitoring time	Parameter signature (w/o addresses)
0	PROFIsafe_telegram_30	11	4095	150 ms	0xEE5 (3813)
<b>PROFIsafe_telegram_30 : G120 CU240E_2_PN, PositionNumber 0</b>					
<b>General parameters</b>		<b>Specific Parameters</b>			
<b>Hardware</b>		<b>F_SIL</b> SIL2			
Name	PROFIsafe_telegram_30	<b>F_Source_Add</b> 1			
PositionNumber	0	<b>F_iPar_CRC</b> 0			
Short designation	PROFIsafe telegram 30	<b>F_Check_iPar</b> NoCheck			
--	--	<b>F_Block_ID</b> 0			
Start address input	11	<b>F_CRC_Length</b> 3-Byte-CRC			
Start address output	11	<b>Receive direction, S_STW1</b>			
Laddr	270	<b>Bit 0</b> Not supported			
F_WD_Time	150 ms	<b>Bit 1</b> Not supported			
F_Dest_Add	4095	<b>Bit 2</b> Not supported			
F_Par_CRC_WithoutAddresses	0xEE5 (3813)	<b>Bit 3</b> Not supported			
F_Par_CRC	0xA8ED (43245)	<b>Bit 4</b> Not supported			
Behavior after channel fault	Passivate the entire module	<b>Bit 5</b> Not supported			
RIOforFA-Safety	No	<b>Bit 6</b> Not supported			
F_Par_Version	V2-mode	<b>Bit 7</b> Not supported			
PROFIsafe protocol version	Loop-back extension (LP)	<b>Bit 8</b> Not supported			
<b>Software</b>		<b>Bit 9</b> Not supported			
F-I/O DB number	30010	<b>Bit 10</b> Not supported			
F I/O DB name	F00011_PROFIsafe_telegram_30	<b>Bit 11</b> Not supported			
Used in F-runtime group	RTG1	<b>Bit 12</b> Not supported			
		<b>Bit 13</b> Not supported			
		<b>Bit 14</b> Not supported			
		<b>Bit 15</b> Not supported			
		<b>Send direction, S_ZSW1</b>			
		<b>Bit 0</b> Not supported			
		<b>Bit 1</b> Not supported			
		<b>Bit 2</b> Not supported			
		<b>Bit 3</b> Not supported			
		<b>Bit 4</b> Not supported			
		<b>Bit 5</b> Not supported			
		<b>Bit 6</b> Not supported			
		<b>Bit 7</b> Not supported			
		<b>Bit 8</b> Not supported			
		<b>Bit 9</b> Not supported			
		<b>Bit 10</b> Not supported			
		<b>Bit 11</b> Not supported			
		<b>Bit 12</b> Not supported			
		<b>Bit 13</b> Not supported			
		<b>Bit 14</b> Not supported			
		<b>Bit 15</b> Not supported			

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**Supplementary information**

Print created on	11/27/2019 8:29:19 PM (UTC -5:00)	Page numbers for safety summary	From 5 - 1 to 5 - 10
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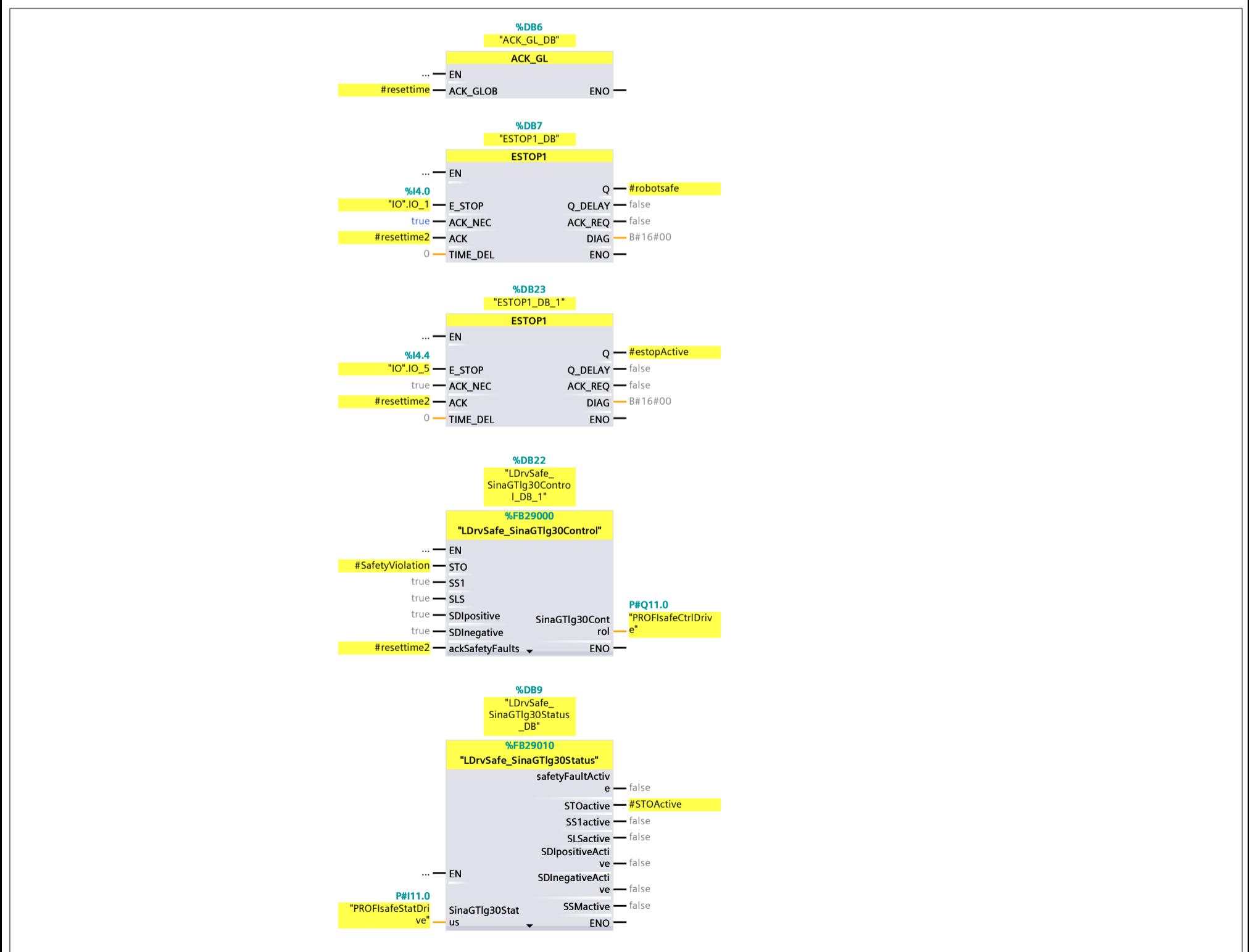
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

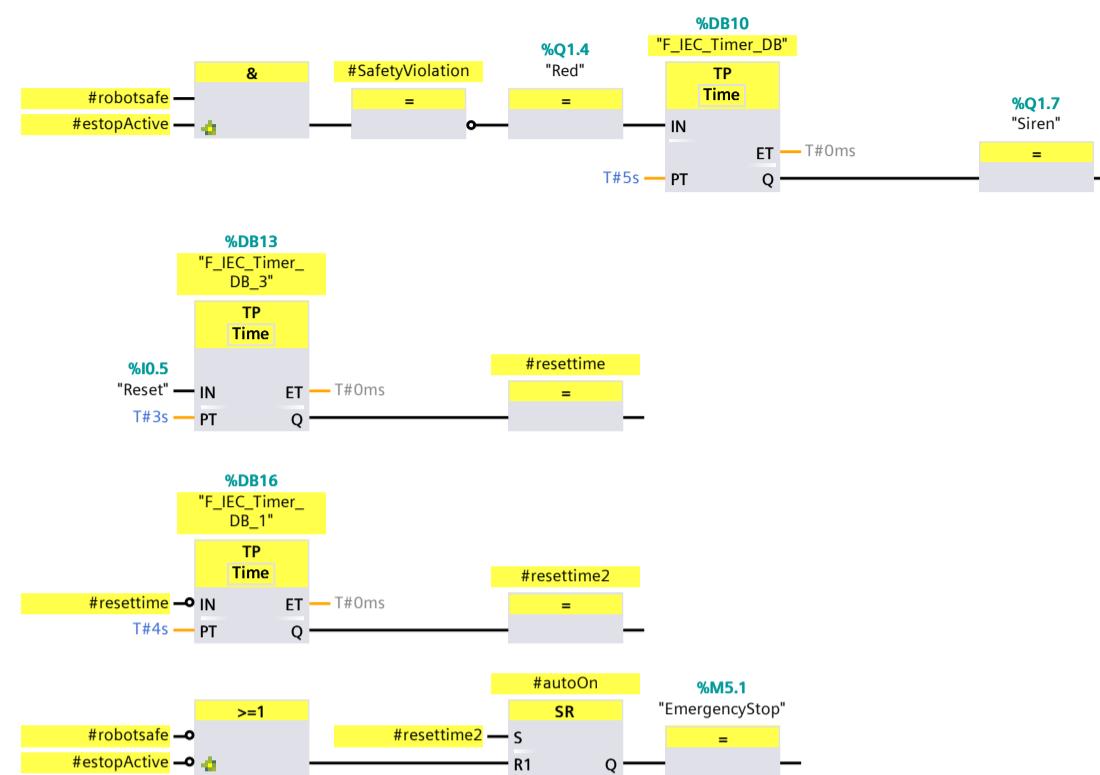
### Main\_Safety\_RTG1

Main_Safety_RTG1 Properties											
General											
Name	Main_Safety_RTG1	Number	1	Type	FB	Language	FBD				
Numbering	Manual										
Information											
Title		Author		Comment		Family					
Version	0.1	User-defined ID									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment		
Input											
Output											
InOut											
▼ Static											
robotsafe	Bool	false	Non-retain	True	True	True	False				
autoOn	Bool	false	Non-retain	True	True	True	False				
STOActive	Bool	false	Non-retain	True	True	True	False				
SafetyViolation	Bool	false	Non-retain	True	True	True	False				
resettime	Bool	false	Non-retain	True	True	True	False				
estopActive	Bool	false	Non-retain	True	True	True	False				
resettime2	Bool	false	Non-retain	True	True	True	False				
Temp											
Constant											

### Network 1:



Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

**Network 2:**

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

LDrvSafe\_SinaGTlg30Control

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering HMI/OPC UA	Setpoint	Supervision	Comment
<b>▼ Input</b>									
STO	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Torque Off
SS1	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Stop 1
SLS	Bool	true	Non-retain	True	False	True	False		Safety Function Safely-limited Speed
selectSLSbit0	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 1
selectSLSbit1	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 0
SDIpositive	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction)
SDInegative	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction)
ackSafetyFaults	Bool	false	Non-retain	True	False	True	False		Acknowledge Safety errors in the drive
<b>▼ Output</b>									
<b>▼ SinaGTlg30Control</b>			Non-retain	True	False	True	False		F-UDT to control the Safety Functions of SINAMICS G via PROFIsafe telegram 30
STO	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off
SS1	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1
reserved1	Bool	false	Non-retain	True	False	True	False		Reserve bit 1
reserved2	Bool	false	Non-retain	True	False	True	False		Reserve bit 2

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Safety information: 7E27EEB2 Consistent: STEP 7 Safety V15.1:

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
SLS	Bool	false	Non-retain	True	False	True	False		Safety Function Safely-limited Speed
reserved3	Bool	false	Non-retain	True	False	True	False		Reserve bit 3
reserved4	Bool	false	Non-retain	True	False	True	False		Reserve bit 4
internalEventAcknowledge	Bool	false	Non-retain	True	False	True	False		Acknowledge Safety errors in the drive
reserved5	Bool	false	Non-retain	True	False	True	False		Reserve bit 5
selectSLSbit0	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 1
selectSLSbit1	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 0
reserved6	Bool	false	Non-retain	True	False	True	False		Reserve bit 6
SDIpositive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction)
SDInegative	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction)
reserved7	Bool	false	Non-retain	True	False	True	False		Reserve bit 7
reserved8	Bool	false	Non-retain	True	False	True	False		Reserve bit 8
InOut									
Static									

Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### LDrvSafe\_SinaGTlg30Status

#### LDrvSafe\_SinaGTlg30Status Properties

##### General

Name	LDrvSafe_SinaGTlg30Status	Number	29010	Type	FB	Language	FBD
Numbering	Automatic						

##### Information

Title	LDrvSafe_SinaGTlg30Status: Get status of SINAMICS G via PROFIsafe telegram 30	Author		Comment	Certificated safety function Author: SIEMENS AG (c) copyright 2019 All Rights Reserved  -----  Library: LDrvSafe Tested with: S7-1516F-3 with firmware V1.8 Engineering: TIA Portal V14 SP1 Restrictions: The function block has to be called in a Safety runtime group Requirements: Safety Ad- vanced V14 SP1 Functionality: Status of Safety Functions of SINAM- ICS G can be sent via PROFI- safe telegram 30 to F-PLC  -----  Change log table: Version Date Signature Ex- pert in charge Changes ap- plied 01.00.00 04.03.2016 3510072D DH APC F80 First released version 02.00.00 18.10.2017 27131F87 DH APC F80 Re- name "StatusT30SinaG" to "SinaGTlg30Status"; pro- gramming based on style- guide  =====	Family	LDrvSafe
Version	2.0	User-defined ID					

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
▼ SinaGTlg30Status	"LDrvSafe_type-SinaGTlg30Status"		Non-retain	True	False	True	False		F-UDT to get the status of the Safety Functions of SINAMICS G via PROFIsafe telegram 30
STOactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off active
SS1active	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1 active
reserved1	Bool	false	Non-retain	True	False	True	False		Reserve bit 1
reserved2	Bool	false	Non-retain	True	False	True	False		Reserve bit 2
SLSactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safely-limited Speed active
reserved3	Bool	false	Non-retain	True	False	True	False		Reserve bit 3
reserved4	Bool	false	Non-retain	True	False	True	False		Reserve bit 4
internalEvent	Bool	false	Non-retain	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
reserved5	Bool	false	Non-retain	True	False	True	False		Reserve bit 5
SLSbit0Active	Bool	false	Non-retain	True	False	True	False		One of the the four SLS limits is active; operates together with bit 1
SLSbit1Active	Bool	false	Non-retain	True	False	True	False		One of the the four SLS limits is active; operates together with bit 0
reserved6	Bool	false	Non-retain	True	False	True	False		Reserve bit 6
SDIpositiveActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction) active

Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
SDInegativeActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction) active	
reserved7	Bool	false	Non-retain	True	False	True	False		Reserve bit 7	
SSMactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	
▼ Output										
safetyFaultActive	Bool	false	Non-retain	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)	
STOactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off active	
SS1active	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1 active	
SLSactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safety-limited Speed active	
SLSbit0Active	Bool	false	Non-retain	True	False	True	False		One of the four SLS limits is active; operates together with bit 1	
SLSbit1Active	Bool	false	Non-retain	True	False	True	False		One of the four SLS limits is active; operates together with bit 0	
SDIpositiveActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction) active	
SDInegativeActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction) active	
SSMactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### Main\_Safety\_RTG1\_DB

#### Main\_Safety\_RTG1\_DB Properties

##### General

Name	Main_Safety_RTG1_DB	Number	1	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	FUSI				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>Input</b>									
Output									
InOut									
▼ Static									
robotsafe	Bool	false	False	True	True	True	False		
autoOn	Bool	false	False	True	True	True	False		
STOActive	Bool	false	False	True	True	True	False		
SafetyViolation	Bool	false	False	True	True	True	False		
resetttime	Bool	false	False	True	True	True	False		
estopActive	Bool	false	False	True	True	True	False		
resetttime2	Bool	false	False	True	True	True	False		

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### ACK\_GL\_DB

ACK_GL_DB Properties										
General										
Name	ACK_GL_DB	Number	6	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment				Family	F_FUNC	
Version	1.0	User-defined ID	F_ACK_GL							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment	
▼ Input										
ACK_GLOB	Bool	false	False	True	True	True	False		1=acknowledgment for reintegration	
Output										
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### ESTOP1\_DB

ESTOP1_DB Properties										
General										
Name	ESTOP1_DB	Number	7	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment				Family	F_FUNC	
Version	1.1	User-defined ID	F_ESTOP1							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
E_STOP	Bool	false	False	True	True	True	False		Emergency STOP	
ACK_NECK	Bool	true	False	True	True	True	False		1=Acknowledgment necessary	
ACK	Bool	false	False	True	True	True	False		1=Acknowledgment	
TIME_DELAY	Time	0	False	True	True	True	False		Time delay	
▼ Output										
Q	Bool	false	False	True	True	True	False		1=Enable	
Q_DELAY	Bool	false	False	True	True	True	False		Enable is OFF delayed	
ACK_REQ	Bool	false	False	True	True	True	False		1=acknowledgment request	
DIAG	Byte	B#16#00	False	True	True	True	False		Service information	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### LDrvSafe\_SinaGTlg30Status\_DB

LDrvSafe_SinaGTlg30Status_DB Properties										
General										
Name	LDrvSafe_SinaGTlg30Status_DB	Number	9	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author		Comment			Family	LDrvSafe		
Version	2.0	User-defined ID								
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
▼ SinaGTlg30Status		"LDrvSafe_type-SinaGTlg30Status"	False	True	False	True	False			F-UDT to get the status of the Safety Functions of SINAMICS G via PROFI-safe telegram 30
STOactive		Bool	false	False	True	False	True	False		Safety Function Safe Torque Off active
SS1active		Bool	false	False	True	False	True	False		Safety Function Safe Stop 1 active
reserved1		Bool	false	False	True	False	True	False		Reserve bit 1
reserved2		Bool	false	False	True	False	True	False		Reserve bit 2
SLSactive		Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed active
reserved3		Bool	false	False	True	False	True	False		Reserve bit 3
reserved4		Bool	false	False	True	False	True	False		Reserve bit 4
internalEvent		Bool	false	False	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
reserved5		Bool	false	False	True	False	True	False		Reserve bit 5
SLSbit0Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 1
SLSbit1Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 0
reserved6		Bool	false	False	True	False	True	False		Reserve bit 6
SDIpositiveActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction) active
SDInegativeActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction) active
reserved7		Bool	false	False	True	False	True	False		Reserve bit 7
SSMactive		Bool	false	False	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit
▼ Output										
safetyFaultActive		Bool	false	False	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
STOactive		Bool	false	False	True	False	True	False		Safety Function Safe Torque Off active
SS1active		Bool	false	False	True	False	True	False		Safety Function Safe Stop 1 active
SLSactive		Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed active
SLSbit0Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 1
SLSbit1Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 0
SDIpositiveActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction) active
SDInegativeActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction) active
SSMactive		Bool	false	False	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### LDrvSafe\_SinaGTlg30Control\_DB\_1

LDrvSafe_SinaGTlg30Control_DB_1 Properties										
General										
Name	LDrvSafe_SinaGTlg30Control_DB_1	Number	22	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author		Comment			Family	LDrvSafe		
Version	2.0	User-defined ID								
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
STO	Bool	true	False	True	False	True	False		Safety Function Safe Torque Off	
SS1	Bool	true	False	True	False	True	False		Safety Function Safe Stop 1	
SLS	Bool	true	False	True	False	True	False		Safety Function Safely-limited Speed	
selectSLSbit0	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 1	
selectSLSbit1	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 0	
SDIpositive	Bool	true	False	True	False	True	False		Safety Function Safe Direction (positive direction)	
SDInegative	Bool	true	False	True	False	True	False		Safety Function Safe Direction (negative direction)	
ackSafetyFaults	Bool	false	False	True	False	True	False		Acknowledge Safety errors in the drive	
▼ Output										
▼ SinaGTlg30Control		"LDrvSafe_type-SinaGTlg30Control"		False	True	False	True	False	F-UDT to control the Safety Functions of SINAMICS G via PROFIsafe telegram 30	
STO	Bool	false	False	True	False	True	False		Safety Function Safe Torque Off	
SS1	Bool	false	False	True	False	True	False		Safety Function Safe Stop 1	
reserved1	Bool	false	False	True	False	True	False		Reserve bit 1	
reserved2	Bool	false	False	True	False	True	False		Reserve bit 2	
SLS	Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed	
reserved3	Bool	false	False	True	False	True	False		Reserve bit 3	
reserved4	Bool	false	False	True	False	True	False		Reserve bit 4	
internalEventAcknowledge	Bool	false	False	True	False	True	False		Acknowledge Safety errors in the drive	
reserved5	Bool	false	False	True	False	True	False		Reserve bit 5	
selectSLSbit0	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 1	
selectSLSbit1	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 0	
reserved6	Bool	false	False	True	False	True	False		Reserve bit 6	
SDIpositive	Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction)	
SDInegative	Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction)	
reserved7	Bool	false	False	True	False	True	False		Reserve bit 7	
reserved8	Bool	false	False	True	False	True	False		Reserve bit 8	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### ESTOP1\_DB\_1

ESTOP1_DB_1 Properties										
General										
Name	ESTOP1_DB_1	Number	23	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment				Family	F_FUNC	
Version	1.1	User-defined ID	F_ESTOP1							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
E_STOP	Bool	false	False	True	True	True	False		Emergency STOP	
ACK_NECK	Bool	true	False	True	True	True	False		1=Acknowledgment necessary	
ACK	Bool	false	False	True	True	True	False		1=Acknowledgment	
TIME_DELAY	Time	0	False	True	True	True	False		Time delay	
▼ Output										
Q	Bool	false	False	True	True	True	False		1=Enable	
Q_DELAY	Bool	false	False	True	True	True	False		Enable is OFF delayed	
ACK_REQ	Bool	false	False	True	True	True	False		1=acknowledgment request	
DIAG	Byte	B#16#00	False	True	True	True	False		Service information	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### F\_IEC\_Timer\_DB

#### F\_IEC\_Timer\_DB Properties

##### General

Name	F_IEC_Timer_DB	Number	10	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### F\_IEC\_Timer\_DB\_3

#### F\_IEC\_Timer\_DB\_3 Properties

##### General

Name	F_IEC_Timer_DB_3	Number	13	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe user blocks

### F\_IEC\_Timer\_DB\_1

#### F\_IEC\_Timer\_DB\_1 Properties

##### General

Name	F_IEC_Timer_DB_1	Number	16	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe UDTs

### LDrvSafe\_typeSinaGTlg30Control

LDrvSafe_typeSinaGTlg30Control Properties							
General							
Name	LDrvSafe_typeSinaGTlg30Control	Number	3	Type	UDT	Language	
Numbering Information							
Title	LDrvSafe_typeSinaGTlg30Control	Author		Comment	Failsafe user-defined data type for PROFIsafe telegram 30 to control the Safety Integrated Functions of SINAMICS G	Family	
Version		User-defined ID					
Properties							
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint
STO	Bool		false	True	False	True	False
SS1	Bool		false	True	False	True	False
reserved1	Bool		false	True	False	True	False
reserved2	Bool		false	True	False	True	False
SLS	Bool		false	True	False	True	False
reserved3	Bool		false	True	False	True	False
reserved4	Bool		false	True	False	True	False
internalEventAcknowledge	Bool		false	True	False	True	False
reserved5	Bool		false	True	False	True	False
selectSLSbit0	Bool		false	True	False	True	False
selectSLSbit1	Bool		false	True	False	True	False
reserved6	Bool		false	True	False	True	False
SDIpositive	Bool		false	True	False	True	False
SDInegative	Bool		false	True	False	True	False
reserved7	Bool		false	True	False	True	False
reserved8	Bool		false	True	False	True	False

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe UDTs

### LDrvSafe\_typeSinaGTlg30Status

#### LDrvSafe\_typeSinaGTlg30Status Properties

##### General

Name	LDrvSafe_typeSinaGTlg30Status	Number	5	Type	UDT	Language	
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##### Numbering

##### Information

Title	LDrvSafe_typeSinaGTlg30Status	Author		Comment	Failsafe user-defined data type for PROFIsafe telegram 30 to get status information of Safety Integrated Functions of SINAMICS G	Family	
-------	-------------------------------	--------	--	---------	--	--------	--

##### Version

		User-defined ID					
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
STOactive	Bool		false	True	False	True	False	Safety Function Safe Torque Off active
SS1active	Bool		false	True	False	True	False	Safety Function Safe Stop 1 active
reserved1	Bool		false	True	False	True	False	Reserve bit 1
reserved2	Bool		false	True	False	True	False	Reserve bit 2
SLSactive	Bool		false	True	False	True	False	Safety Function Safely-limited Speed active
reserved3	Bool		false	True	False	True	False	Reserve bit 3
reserved4	Bool		false	True	False	True	False	Reserve bit 4
internalEvent	Bool		false	True	False	True	False	Internal Event occurred (Safety error in SINAMICS)
reserved5	Bool		false	True	False	True	False	Reserve bit 5
SLSbit0Active	Bool		false	True	False	True	False	One of the four SLS limits is active; operates together with bit 1
SLSbit1Active	Bool		false	True	False	True	False	One of the four SLS limits is active; operates together with bit 0
reserved6	Bool		false	True	False	True	False	Reserve bit 6
SDIpositiveActive	Bool		false	True	False	True	False	Safety Function Safe Direction (positive direction) active
SDInegativeActive	Bool		false	True	False	True	False	Safety Function Safe Direction (negative direction) active
reserved7	Bool		false	True	False	True	False	Reserve bit 7
SSMActive	Bool		false	True	False	True	False	Safety Function Safe Speed Monitor; signals, if safe speed is below paramterizable speed limit

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Safety Administration / Fail-safe UDTs

### Safety\_IO

#### Safety\_IO Properties

##### General

Name	Safety_IO	Number	1	Type	UDT	Language	
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##### Numbering

##### Information

Title		Author		Comment		Family	
-------	--	--------	--	---------	--	--------	--

Version		User-defined ID					
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable in HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
IO_1	Bool		false	True	True	True	False	
IO_2	Bool		false	True	True	True	False	
IO_3	Bool		false	True	True	True	False	
IO_4	Bool		false	True	True	True	False	
IO_5	Bool		false	True	True	True	False	
IO_6	Bool		false	True	True	True	False	
IO_7	Bool		false	True	True	True	False	
IO_8	Bool		false	True	True	True	False	
IO_9	Bool		false	True	True	True	False	
IO_10	Bool		false	True	True	True	False	
IO_11	Bool		false	True	True	True	False	

## SeniorProject / PLC\_1 [CPU 1511F-1 PN]

### Software units

This folder is empty.

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

## Main [OB1]

## Main Properties

## General

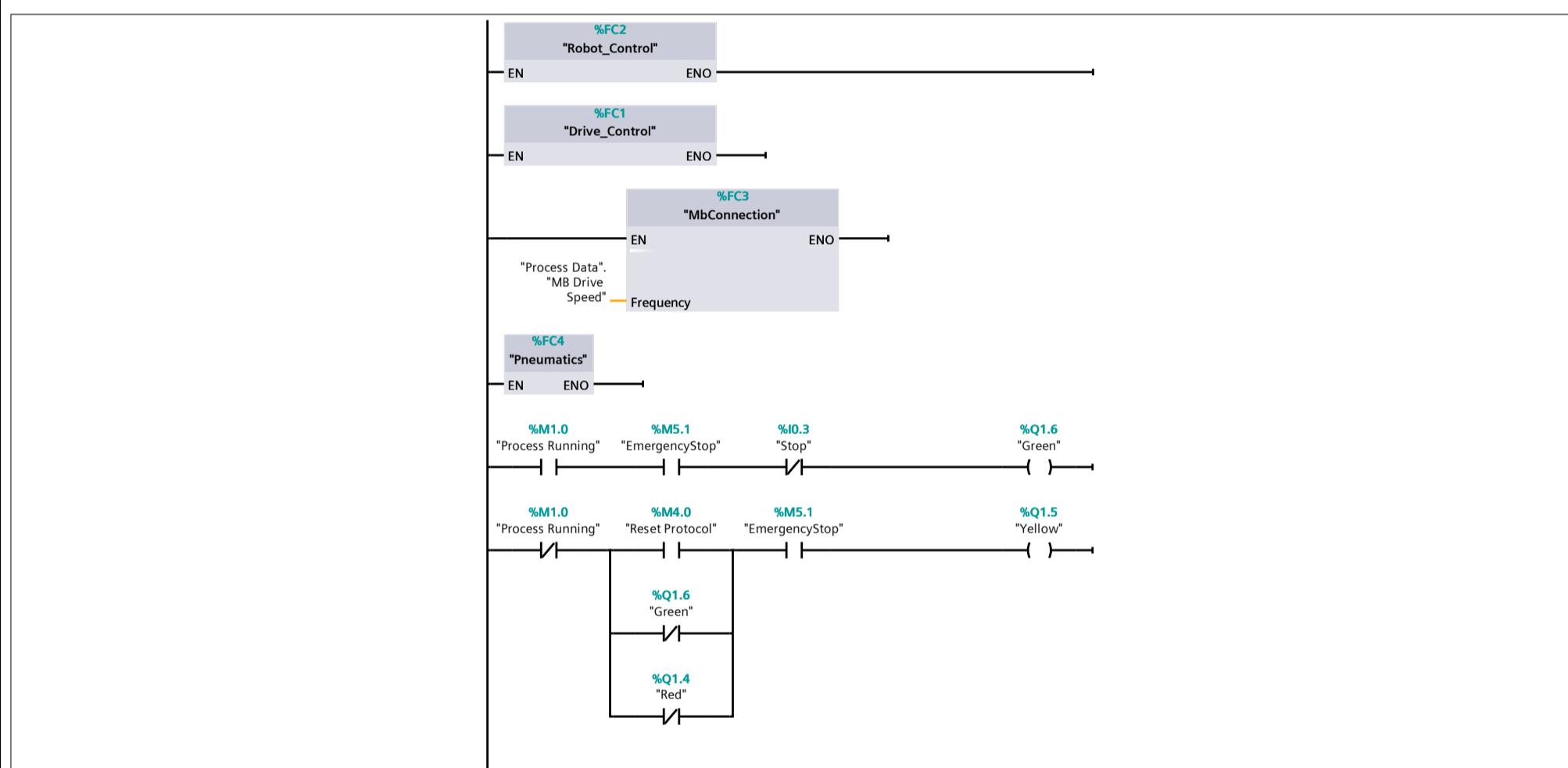
Name	Main	Number	1	Type	OB	Language	LAD
Numbering	Automatic						

## Information

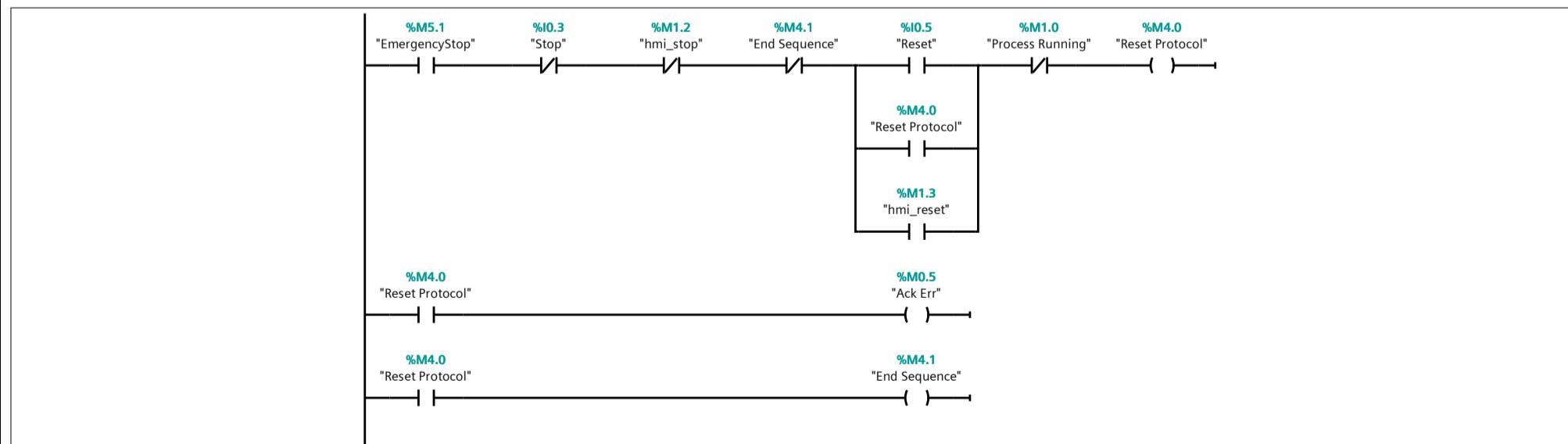
Title	"Main Program Sweep (Cycle)"	Author		Comment		Family	
Version	0.1	User-defined ID					

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

## Network 1: Calling Control Blocks

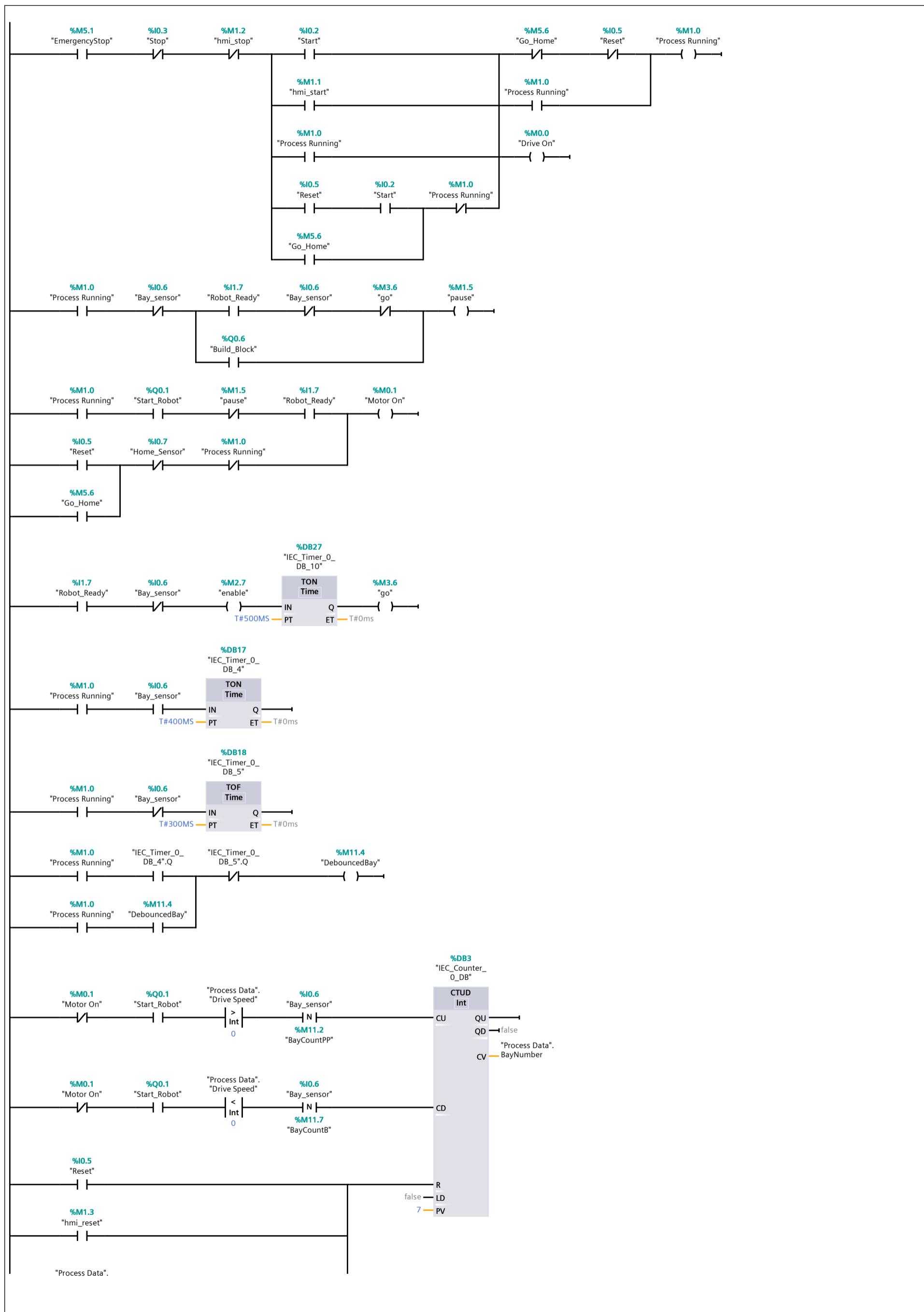


## Network 2: Resetting System



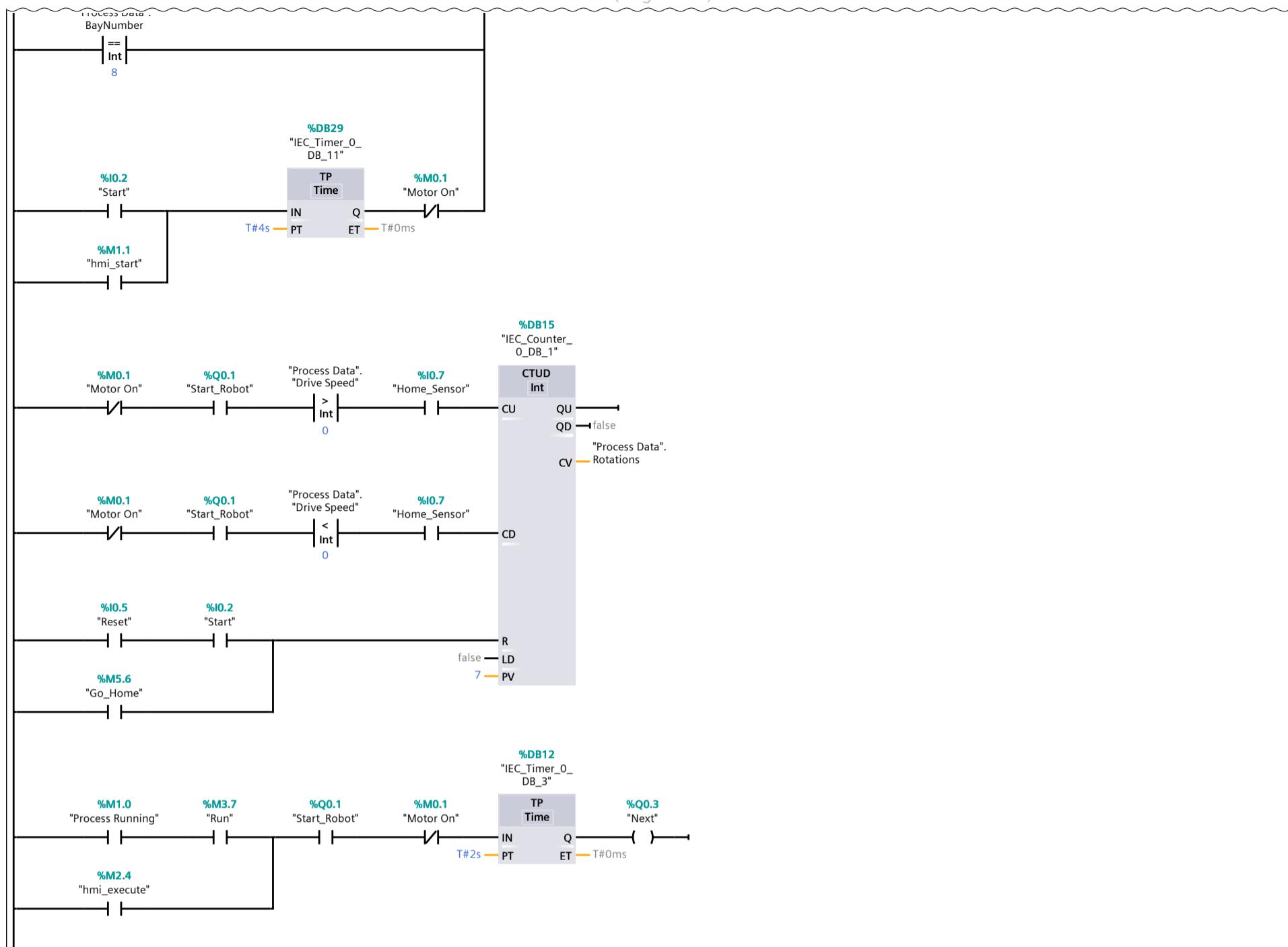
## Network 3: Initial Run Sequence

## Network 3: Initial Run Sequence (1.1 / 2.1)



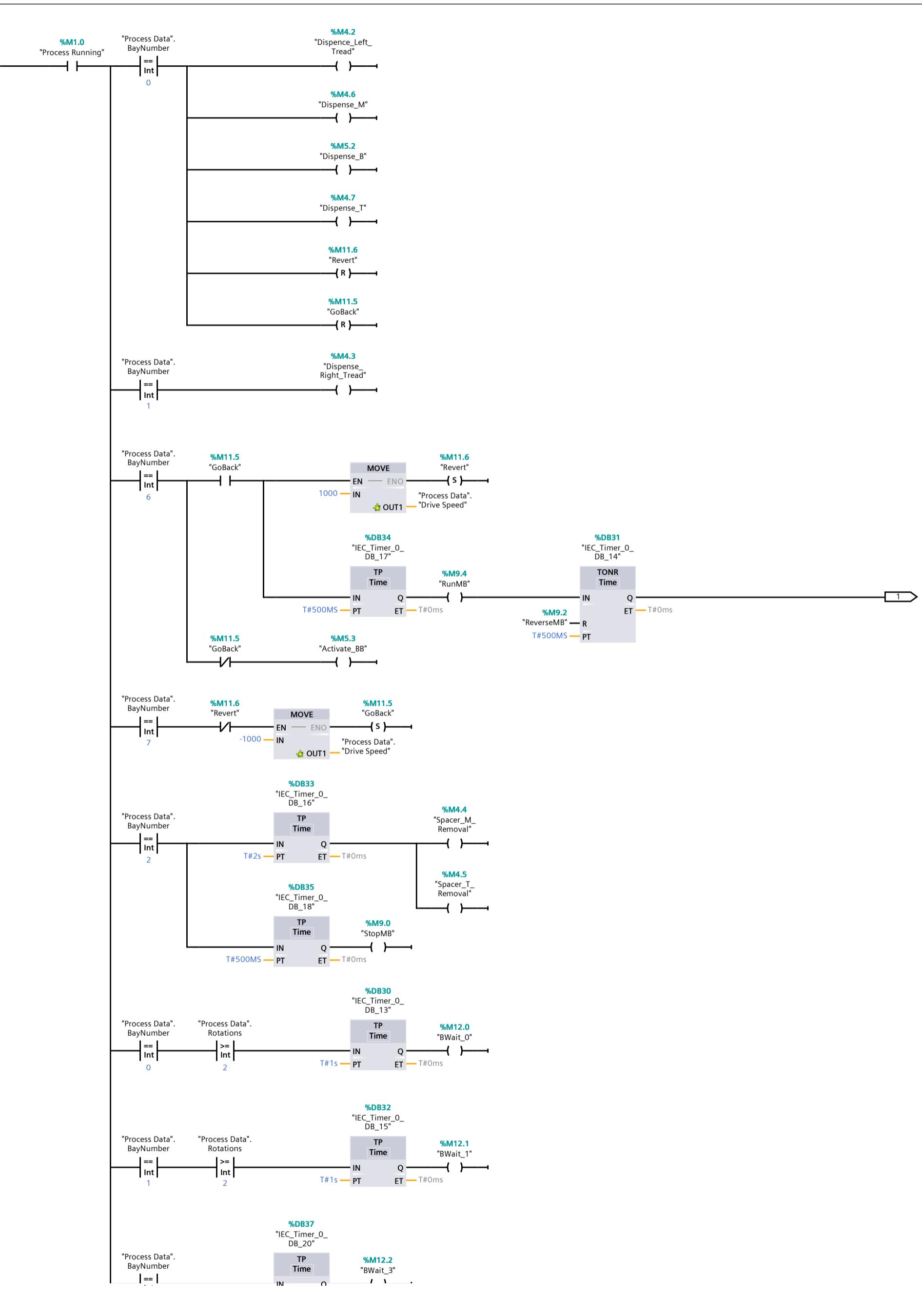
## Network 3: Initial Run Sequence (2.1 / 2.1)

1.1 ( Page22 - 2)



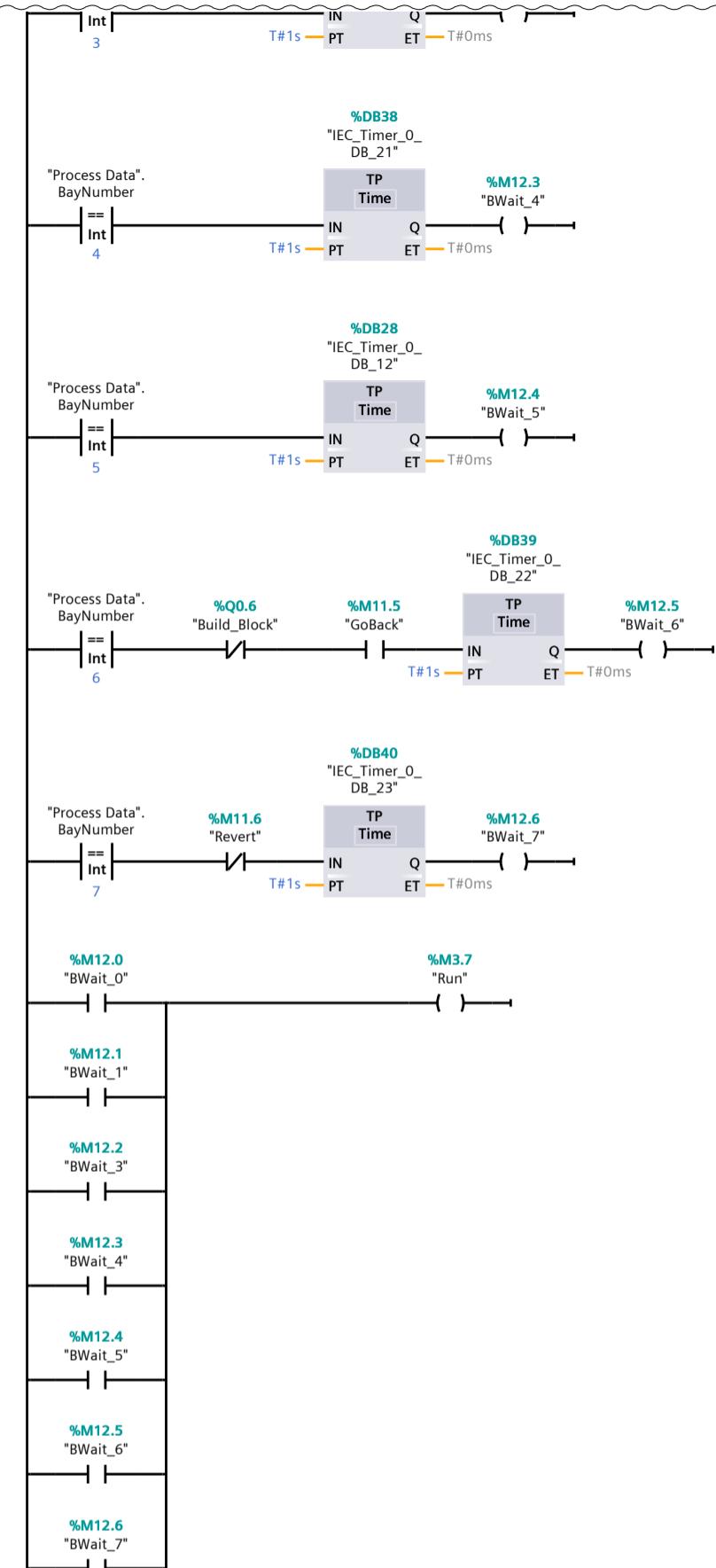
**Network 4:**

## Network 4: (1.1 / 3.1)



**Network 4: (2.1 / 3.1)**

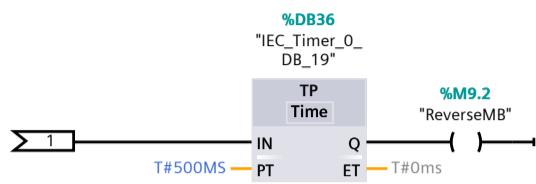
1.1 ( Page22 - 5)



3.1 ( Page22 - 7)

**Network 4: (3.1 / 3.1)**

2.1 ( Page22 - 6)



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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### FOB\_RTG1 [OB129]

FOB_RTG1 Properties							
General							
Name	FOB_RTG1	Number	129	Type	OB	Language	SCL
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					
Name	Data type	Default value	Comment				
▼ Input							
Initial_Call	Bool		Initial call of this OB				
Event_Count	Int		Events discarded				

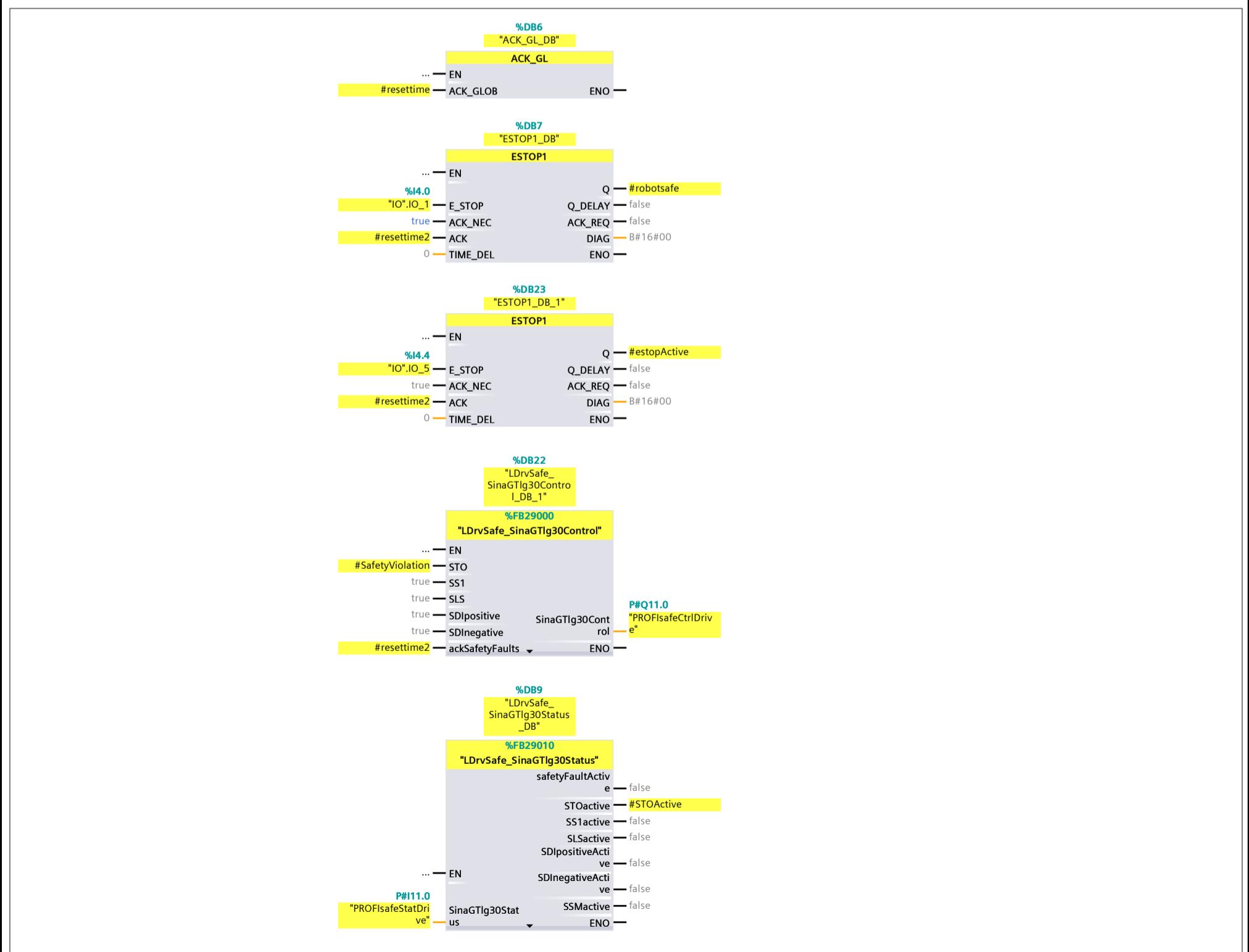
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

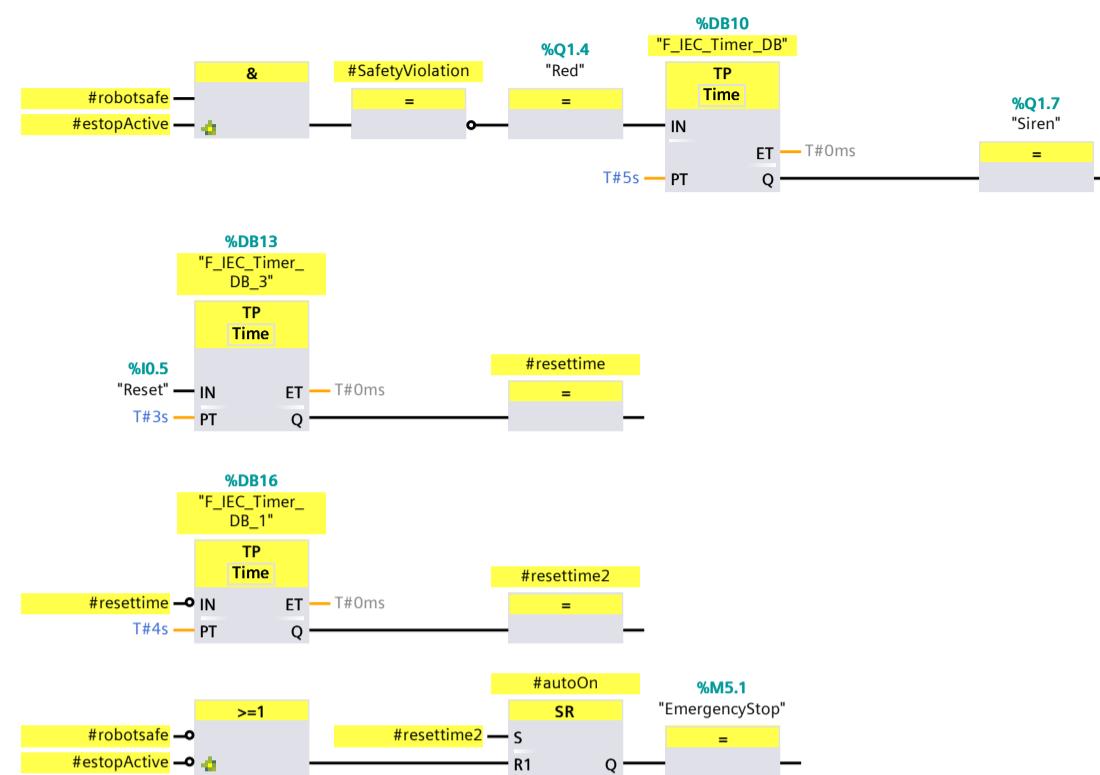
### Main\_Safety\_RTG1 [FB1]

Main_Safety_RTG1 Properties											
General											
Name	Main_Safety_RTG1	Number	1	Type	FB	Language	FBD				
Numbering	Manual										
Information											
Title		Author		Comment		Family					
Version	0.1	User-defined ID									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment		
Input											
Output											
InOut											
▼ Static											
robotsafe	Bool	false	Non-retain	True	True	True	False				
autoOn	Bool	false	Non-retain	True	True	True	False				
STOActive	Bool	false	Non-retain	True	True	True	False				
SafetyViolation	Bool	false	Non-retain	True	True	True	False				
resettime	Bool	false	Non-retain	True	True	True	False				
estopActive	Bool	false	Non-retain	True	True	True	False				
resettime2	Bool	false	Non-retain	True	True	True	False				
Temp											
Constant											

#### Network 1:



Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

**Network 2:**

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### Main\_Safety\_RTG1\_DB [DB1]

#### Main\_Safety\_RTG1\_DB Properties

##### General

Name	Main_Safety_RTG1_DB	Number	1	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	FUSI				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>Input</b>									
Output									
InOut									
▼ Static									
robotsafe	Bool	false	False	True	True	True	False		
autoOn	Bool	false	False	True	True	True	False		
STOActive	Bool	false	False	True	True	True	False		
SafetyViolation	Bool	false	False	True	True	True	False		
resetttime	Bool	false	False	True	True	True	False		
estopActive	Bool	false	False	True	True	True	False		
resetttime2	Bool	false	False	True	True	True	False		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

## Drive\_Control [FC1]

## Drive\_Control Properties

## General

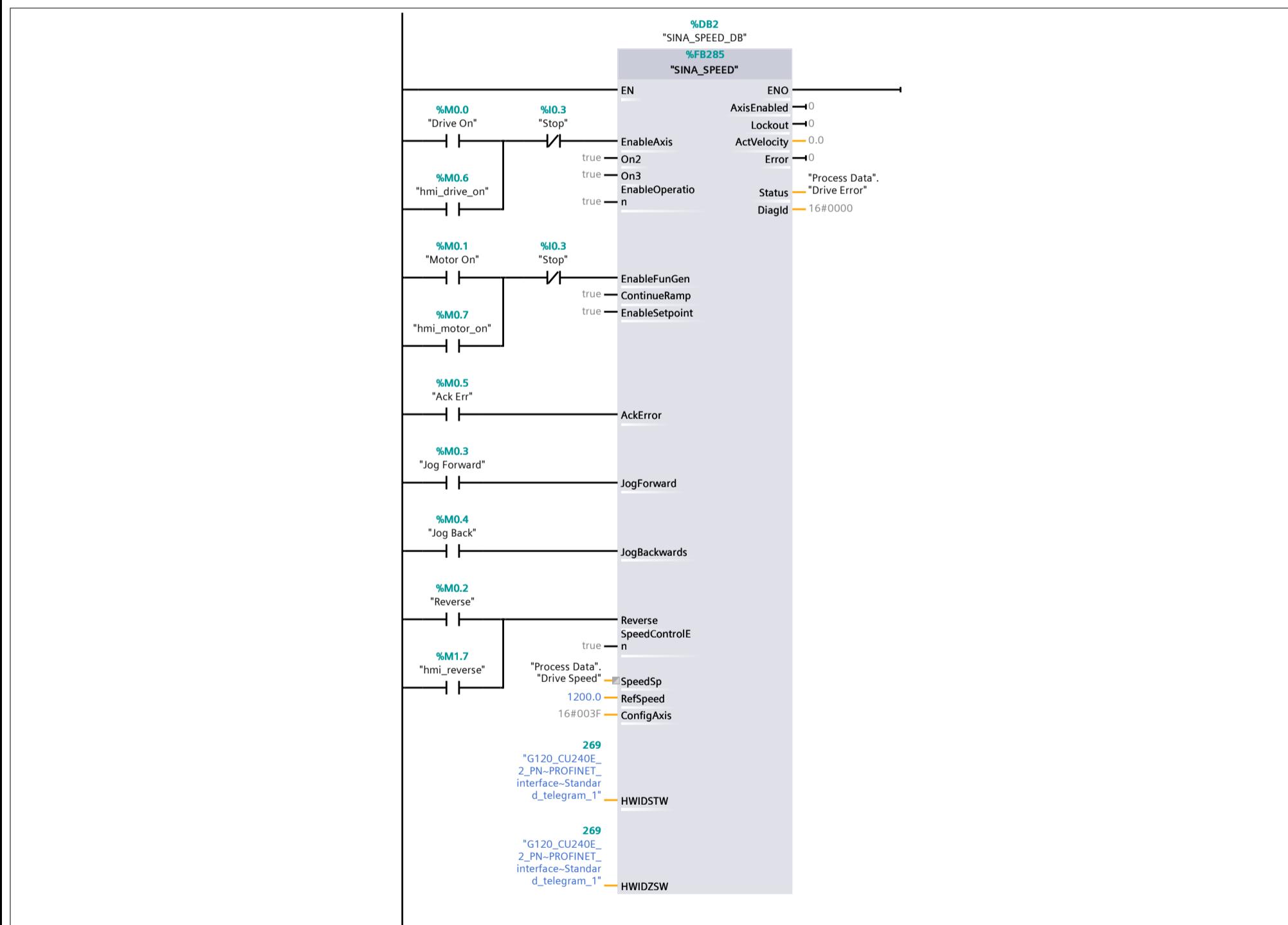
Name	Drive_Control	Number	1	Type	FC	Language	LAD
Numbering	Automatic						

## Information

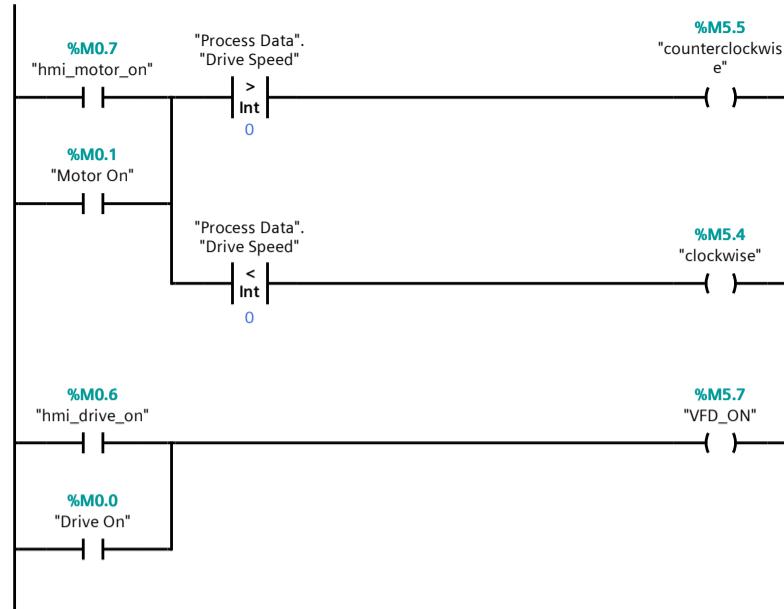
Title	Author	Comment	Family
Version	0.1	User-defined ID	

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

## Network 1: Enables Drive



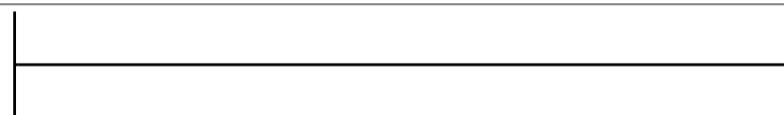
## Network 2:



Network 3:



Network 4:

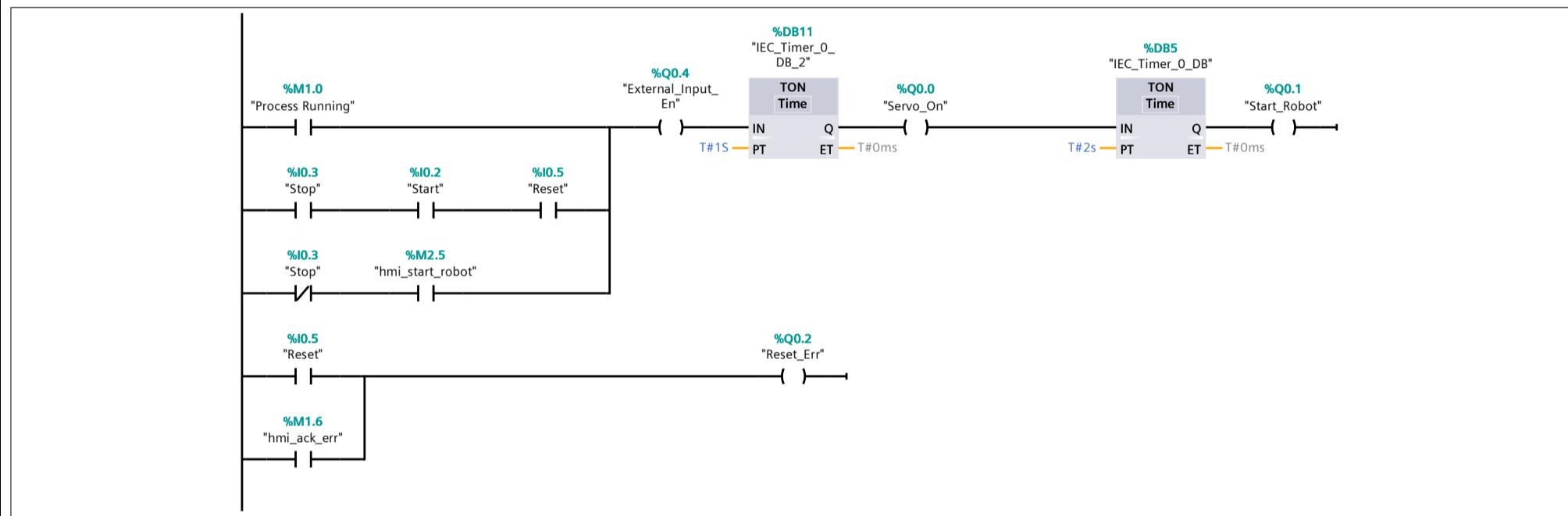


SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

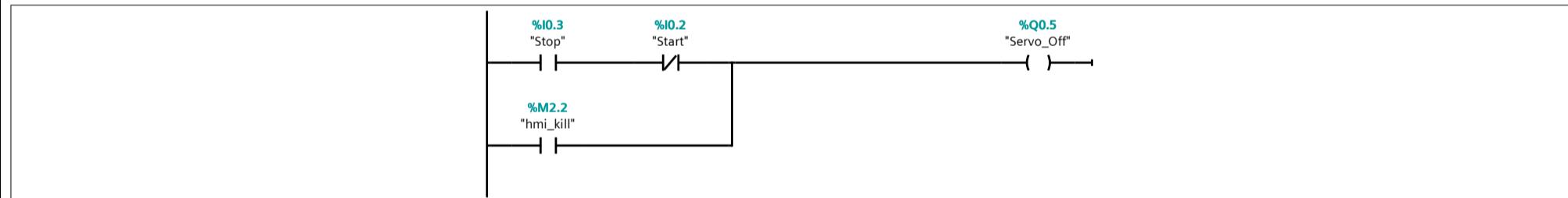
Robot\_Control [FC2]

Robot_Control Properties							
General							
Name	Robot_Control	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							
Output							
InOut							
Temp							
Constant							
▼ Return							
Robot_Control	Void						

## Network 1: Enable Robot Operation



## Network 2:



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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### Process Data [DB4]

Process Data Properties										
General										
Name	Process Data	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Static										
BayNumber	Int	-1	False	True	True	True	False			
Drive Speed	Int	1000	False	True	True	True	False			
Rotations	Int	-1	False	True	True	True	False			
MB Drive Speed	Word	16#1770	False	True	True	True	False			
Drive Error	Word	16#0	False	True	True	True	False			
AirPressure	Int	60	False	True	True	True	False			

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### MbConfig [DB19]

MbConfig Properties										
General										
Name	MbConfig	Number	19	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
<b>▼ Static</b>										
DISCONNECT	Bool	false	False	True	True	True	False			
REQ	Bool	true	False	True	True	True	False			
MB_W_MODE	USInt	1	False	True	True	True	False			Write data mode
MB_R_MODE	USInt	0	False	True	True	True	False			
DATA_ADDR	UDInt	48193	False	True	True	True	False			Start address
ERR_ADDR	UDInt	48449	False	True	True	True	False			
DATA_LEN	UInt	3	False	True	True	True	False			Data length
ERR_LEN	UInt	1	False	True	True	True	False			
<b>▼ CONNECT</b>		TCON_IP_v4		False	True	True	True			
Interfaceld	HW_ANY	64	False	True	True	True	False			HW-identifier of IE-interface submodule
ID	CONN_OUC	1	False	True	True	True	False			connection reference / identifier
ConnectionType	Byte	11	False	True	True	True	False			type of connection: 11=TCP/IP, 19=UDP (17=TCP/IP)
ActiveEstablished	Bool	true	False	True	True	True	False			active/passive connection establishment
<b>▼ RemoteAddress</b>		IP_V4		False	True	True	True			remote IP address (IPv4)
<b>▼ ADDR</b>		Array[1..4] of Byte		False	True	True	False			IPv4 address
ADDR[1]	Byte	192	False	True	True	True	False			IPv4 address
ADDR[2]	Byte	168	False	True	True	True	False			IPv4 address
ADDR[3]	Byte	0	False	True	True	True	False			IPv4 address
ADDR[4]	Byte	60	False	True	True	True	False			IPv4 address
RemotePort	UInt	502	False	True	True	True	False			remote UDP/TCP port number
LocalPort	UInt	0	False	True	True	True	False			local UDP/TCP port number
<b>▼ CONNECT_ERR</b>		TCON_IP_v4		False	True	True	True			
Interfaceld	HW_ANY	64	False	True	True	True	False			HW-identifier of IE-interface submodule
ID	CONN_OUC	2	False	True	True	True	False			connection reference / identifier
ConnectionType	Byte	11	False	True	True	True	False			type of connection: 11=TCP/IP, 19=UDP (17=TCP/IP)
ActiveEstablished	Bool	true	False	True	True	True	False			active/passive connection establishment
<b>▼ RemoteAddress</b>		IP_V4		False	True	True	True			remote IP address (IPv4)
<b>▼ ADDR</b>		Array[1..4] of Byte		False	True	True	False			IPv4 address
ADDR[1]	Byte	192	False	True	True	True	False			IPv4 address
ADDR[2]	Byte	168	False	True	True	True	False			IPv4 address
ADDR[3]	Byte	0	False	True	True	True	False			IPv4 address
ADDR[4]	Byte	60	False	True	True	True	False			IPv4 address
RemotePort	UInt	502	False	True	True	True	False			remote UDP/TCP port number
LocalPort	UInt	0	False	True	True	True	False			local UDP/TCP port number
DONE	Bool	false	False	True	True	True	True			
BUSY	Bool	false	False	True	True	True	False			
ERROR	Bool	false	False	True	True	True	False			
STATUS	Word	16#0	False	True	True	True	False			
<b>▼ DATA</b>		Array[0..2] of Word		False	True	True	False			
DATA[0]	Word	16#0	False	True	True	True	False			
DATA[1]	Word	16#0	False	True	True	True	False			
DATA[2]	Word	16#0	False	True	True	True	False			
ERR_MESS	Int	0	False	True	True	True	False			

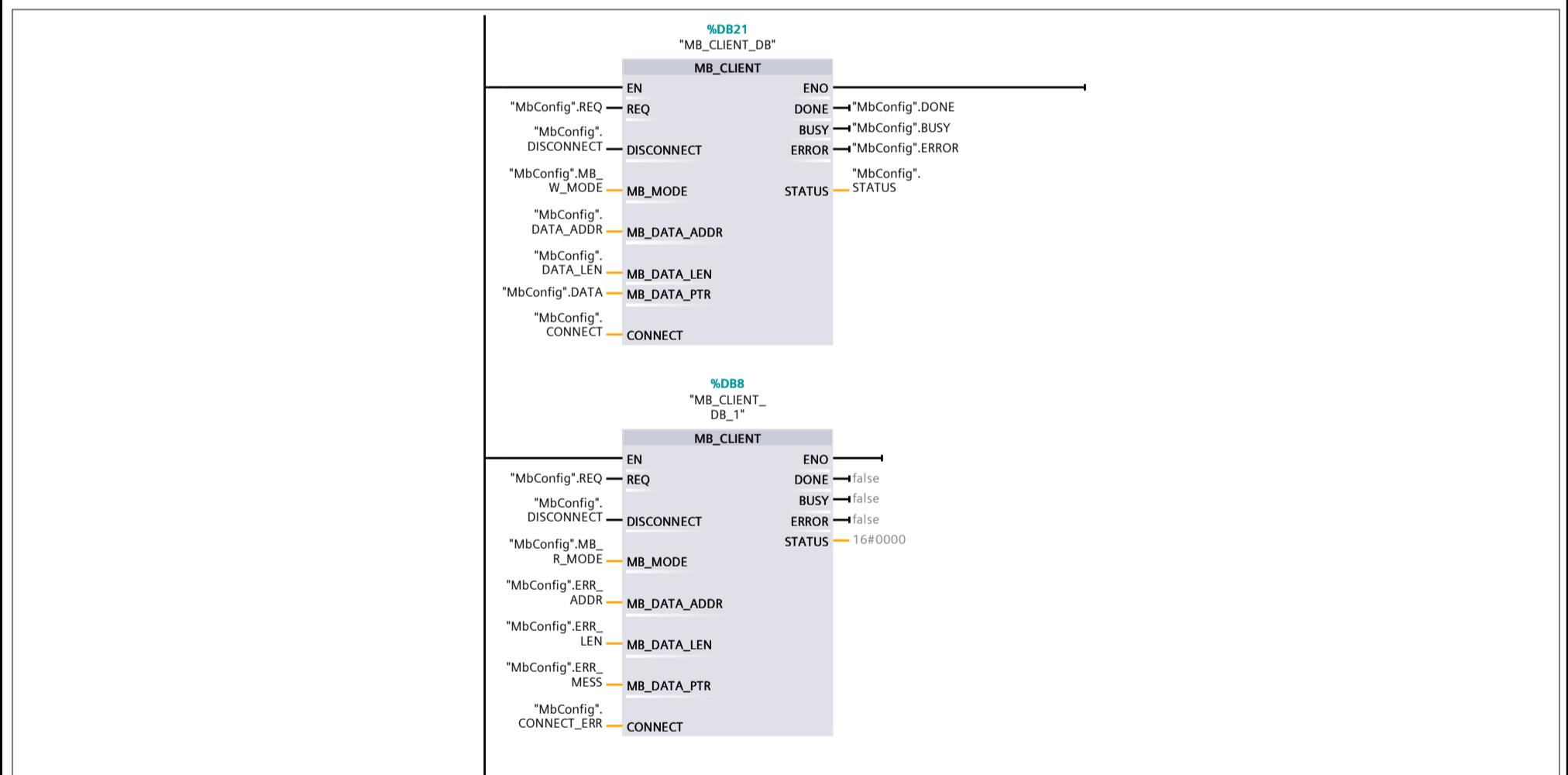
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

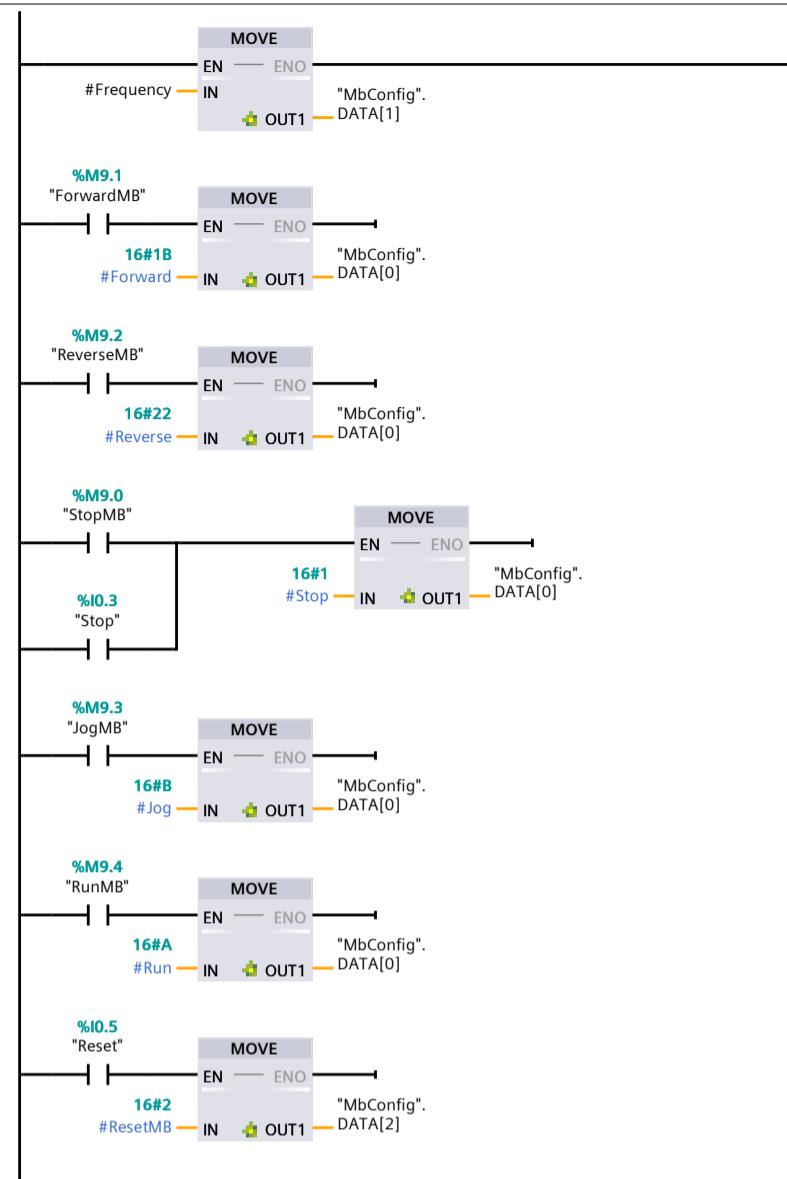
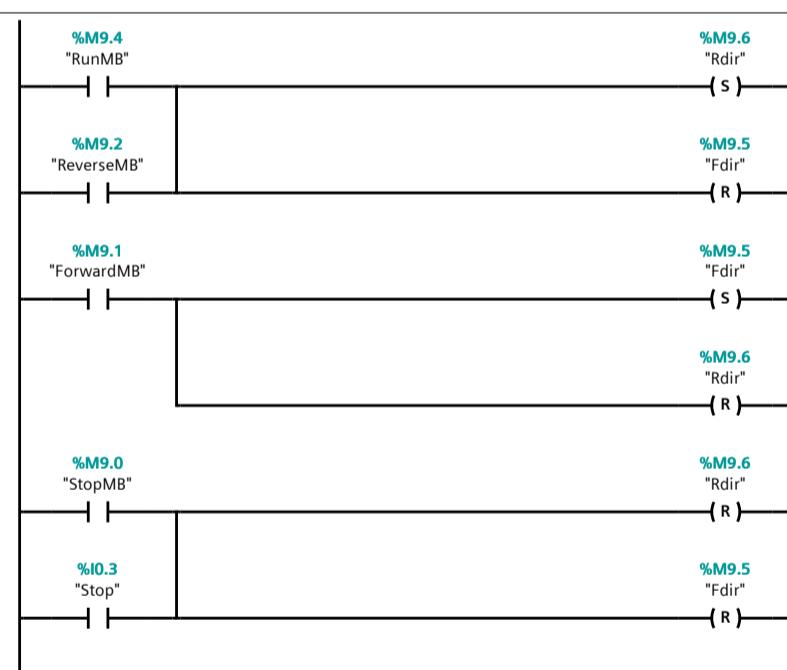
### MbConnection [FC3]

MbConnection Properties							
General							
Name	MbConnection	Number	3	Type	FC	Language	LAD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					
Name	Data type	Default value		Comment			
▼ Input							
Frequency	Word						
Output							
InOut							
Temp							
▼ Constant							
Forward	Word	16#1B					
Reverse	Word	16#22					
Stop	Word	16#1					
Jog	Word	16#B					
Run	Word	16#A					
ResetMB	Word	16#2					
▼ Return							
MbConnection	Void						

### Network 1:



### Network 2:

**Network 3:**

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

LDrvSafe\_SinaGTlg30Control [FB29000]

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
STO	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Torque Off
SS1	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Stop 1
SLS	Bool	true	Non-retain	True	False	True	False		Safety Function Safely-limited Speed
selectSLSbit0	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 1
selectSLSbit1	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 0
SDIpositive	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction)
SDInegative	Bool	true	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction)
ackSafetyFaults	Bool	false	Non-retain	True	False	True	False		Acknowledge Safety errors in the drive
<b>▼ Output</b>									
<b>▼ SinaGTlg30Control</b>			Non-retain	True	False	True	False		F-UDT to control the Safety Functions of SINAMICS G via PROFIsafe telegram 30
STO	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off
SS1	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1
reserved1	Bool	false	Non-retain	True	False	True	False		Reserve bit 1
reserved2	Bool	false	Non-retain	True	False	True	False		Reserve bit 2

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Safety information: 7E27EEB2 Consistent: STEP 7 Safety V15.1:

Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
SLS	Bool	false	Non-retain	True	False	True	False		Safety Function Safely-limited Speed
reserved3	Bool	false	Non-retain	True	False	True	False		Reserve bit 3
reserved4	Bool	false	Non-retain	True	False	True	False		Reserve bit 4
internalEventAcknowledge	Bool	false	Non-retain	True	False	True	False		Acknowledge Safety errors in the drive
reserved5	Bool	false	Non-retain	True	False	True	False		Reserve bit 5
selectSLSbit0	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 1
selectSLSbit1	Bool	false	Non-retain	True	False	True	False		Select one of the four SLS limits; operates together with bit 0
reserved6	Bool	false	Non-retain	True	False	True	False		Reserve bit 6
SDIpositive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction)
SDInegative	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction)
reserved7	Bool	false	Non-retain	True	False	True	False		Reserve bit 7
reserved8	Bool	false	Non-retain	True	False	True	False		Reserve bit 8
InOut									
Static									

Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### LDrvSafe\_SinaGTlg30Status [FB29010]

#### LDrvSafe\_SinaGTlg30Status Properties

##### General

Name	LDrvSafe_SinaGTlg30Status	Number	29010	Type	FB	Language	FBD
Numbering	Automatic						

##### Information

Title	LDrvSafe_SinaGTlg30Status: Get status of SINAMICS G via PROFIsafe telegram 30	Author		Comment	Certificated safety function Author: SIEMENS AG (c) copyright 2019 All Rights Reserved  -----  Library: LDrvSafe Tested with: S7-1516F-3 with firmware V1.8 Engineering: TIA Portal V14 SP1 Restrictions: The function block has to be called in a Safety runtime group Requirements: Safety Ad- vanced V14 SP1 Functionality: Status of Safety Functions of SINAM- ICS G can be sent via PROFI- safe telegram 30 to F-PLC  -----  Change log table: Version Date Signature Ex- pert in charge Changes ap- plied 01.00.00 04.03.2016 3510072D DH APC F80 First released version 02.00.00 18.10.2017 27131F87 DH APC F80 Re- name "StatusT30SinaG" to "SinaGTlg30Status"; pro- gramming based on style- guide  =====	Family	LDrvSafe
Version	2.0	User-defined ID					

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
▼ SinaGTlg30Status	"LDrvSafe_type-SinaGTlg30Status"		Non-retain	True	False	True	False		F-UDT to get the status of the Safety Functions of SINAMICS G via PROFIsafe telegram 30
STOactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off active
SS1active	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1 active
reserved1	Bool	false	Non-retain	True	False	True	False		Reserve bit 1
reserved2	Bool	false	Non-retain	True	False	True	False		Reserve bit 2
SLSactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safely-limited Speed active
reserved3	Bool	false	Non-retain	True	False	True	False		Reserve bit 3
reserved4	Bool	false	Non-retain	True	False	True	False		Reserve bit 4
internalEvent	Bool	false	Non-retain	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
reserved5	Bool	false	Non-retain	True	False	True	False		Reserve bit 5
SLSbit0Active	Bool	false	Non-retain	True	False	True	False		One of the the four SLS limits is active; operates together with bit 1
SLSbit1Active	Bool	false	Non-retain	True	False	True	False		One of the the four SLS limits is active; operates together with bit 0
reserved6	Bool	false	Non-retain	True	False	True	False		Reserve bit 6
SDIpositiveActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction) active

Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

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Totally Integrated Automation Portal										
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
SDInegativeActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction) active	
reserved7	Bool	false	Non-retain	True	False	True	False		Reserve bit 7	
SSMactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	
▼ Output										
safetyFaultActive	Bool	false	Non-retain	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)	
STOactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Torque Off active	
SS1active	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Stop 1 active	
SLSactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safety-limited Speed active	
SLSbit0Active	Bool	false	Non-retain	True	False	True	False		One of the four SLS limits is active; operates together with bit 1	
SLSbit1Active	Bool	false	Non-retain	True	False	True	False		One of the four SLS limits is active; operates together with bit 0	
SDIpositiveActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (positive direction) active	
SDInegativeActive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Direction (negative direction) active	
SSMactive	Bool	false	Non-retain	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	
InOut										
Static										

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### LDrvSafe\_SinaGTlg30Status\_DB [DB9]

LDrvSafe_SinaGTlg30Status_DB Properties										
General										
Name	LDrvSafe_SinaGTlg30Status_DB	Number	9	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author		Comment			Family	LDrvSafe		
Version	2.0	User-defined ID								
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
▼ SinaGTlg30Status		"LDrvSafe_type-SinaGTlg30Status"	False	True	False	True	False			F-UDT to get the status of the Safety Functions of SINAMICS G via PROFI-safe telegram 30
STOactive		Bool	false	False	True	False	True	False		Safety Function Safe Torque Off active
SS1active		Bool	false	False	True	False	True	False		Safety Function Safe Stop 1 active
reserved1		Bool	false	False	True	False	True	False		Reserve bit 1
reserved2		Bool	false	False	True	False	True	False		Reserve bit 2
SLSactive		Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed active
reserved3		Bool	false	False	True	False	True	False		Reserve bit 3
reserved4		Bool	false	False	True	False	True	False		Reserve bit 4
internalEvent		Bool	false	False	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
reserved5		Bool	false	False	True	False	True	False		Reserve bit 5
SLSbit0Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 1
SLSbit1Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 0
reserved6		Bool	false	False	True	False	True	False		Reserve bit 6
SDIpositiveActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction) active
SDInegativeActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction) active
reserved7		Bool	false	False	True	False	True	False		Reserve bit 7
SSMactive		Bool	false	False	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit
▼ Output										
safetyFaultActive		Bool	false	False	True	False	True	False		Internal Event occurred (Safety error in SINAMICS)
STOactive		Bool	false	False	True	False	True	False		Safety Function Safe Torque Off active
SS1active		Bool	false	False	True	False	True	False		Safety Function Safe Stop 1 active
SLSactive		Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed active
SLSbit0Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 1
SLSbit1Active		Bool	false	False	True	False	True	False		One of the four SLS limits is active; operates together with bit 0
SDIpositiveActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction) active
SDInegativeActive		Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction) active
SSMactive		Bool	false	False	True	False	True	False		Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit
InOut										
Static										

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

### LDrvSafe\_SinaGTlg30Control\_DB\_1 [DB22]

LDrvSafe_SinaGTlg30Control_DB_1 Properties										
General										
Name	LDrvSafe_SinaGTlg30Control_DB_1	Number	22	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author		Comment		Family	LDrvSafe			
Version	2.0	User-defined ID								
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
STO	Bool	true	False	True	False	True	False		Safety Function Safe Torque Off	
SS1	Bool	true	False	True	False	True	False		Safety Function Safe Stop 1	
SLS	Bool	true	False	True	False	True	False		Safety Function Safely-limited Speed	
selectSLSbit0	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 1	
selectSLSbit1	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 0	
SDIpositive	Bool	true	False	True	False	True	False		Safety Function Safe Direction (positive direction)	
SDInegative	Bool	true	False	True	False	True	False		Safety Function Safe Direction (negative direction)	
ackSafetyFaults	Bool	false	False	True	False	True	False		Acknowledge Safety errors in the drive	
▼ Output										
▼ SinaGTlg30Control		"LDrvSafe_type-SinaGTlg30Control"		False	True	False	True	False	F-UDT to control the Safety Functions of SINAMICS G via PROFIsafe telegram 30	
STO	Bool	false	False	True	False	True	False		Safety Function Safe Torque Off	
SS1	Bool	false	False	True	False	True	False		Safety Function Safe Stop 1	
reserved1	Bool	false	False	True	False	True	False		Reserve bit 1	
reserved2	Bool	false	False	True	False	True	False		Reserve bit 2	
SLS	Bool	false	False	True	False	True	False		Safety Function Safely-limited Speed	
reserved3	Bool	false	False	True	False	True	False		Reserve bit 3	
reserved4	Bool	false	False	True	False	True	False		Reserve bit 4	
internalEventAcknowledge	Bool	false	False	True	False	True	False		Acknowledge Safety errors in the drive	
reserved5	Bool	false	False	True	False	True	False		Reserve bit 5	
selectSLSbit0	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 1	
selectSLSbit1	Bool	false	False	True	False	True	False		Select one of the four SLS limits; operates together with bit 0	
reserved6	Bool	false	False	True	False	True	False		Reserve bit 6	
SDIpositive	Bool	false	False	True	False	True	False		Safety Function Safe Direction (positive direction)	
SDInegative	Bool	false	False	True	False	True	False		Safety Function Safe Direction (negative direction)	
reserved7	Bool	false	False	True	False	True	False		Reserve bit 7	
reserved8	Bool	false	False	True	False	True	False		Reserve bit 8	
InOut										
Static										

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks

## Pneumatics [FC4]

## Pneumatics Properties

## General

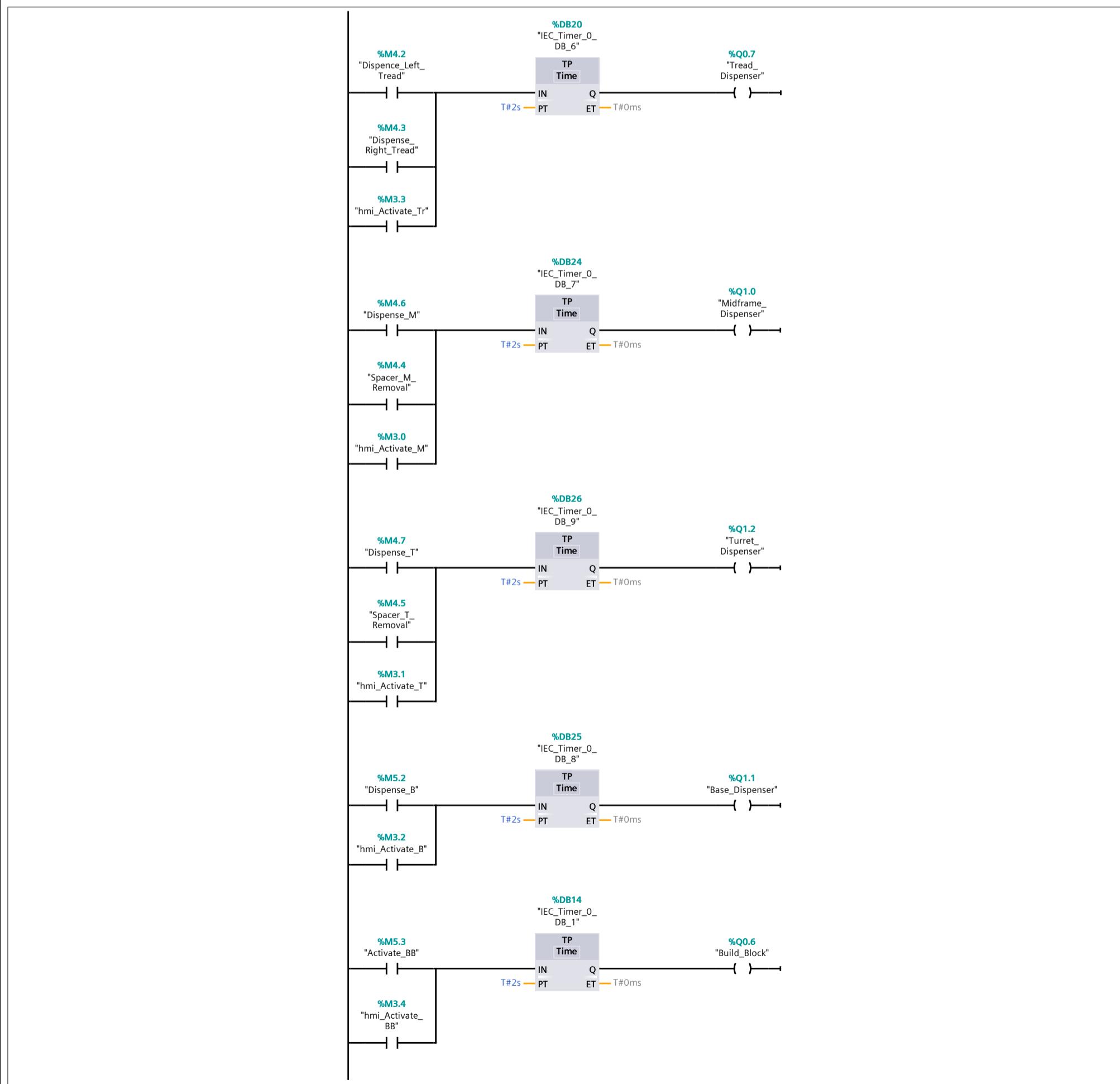
Name	Pneumatics	Number	4	Type	FC	Language	LAD
Numbering	Automatic						

## Information

Title	Author	Comment	Family
Version	0.1	User-defined ID	

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

## Network 1:



Totally Integrated Automation Portal																	
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources</b>																	
<b>SINA_SPEED_DB [DB2]</b>																	
<b>SINA_SPEED_DB Properties</b>																	
<b>General</b>																	
Name	SINA_SPEED_DB	Number	2	Type	DB	Language	DB										
Numbering	Automatic																
<b>Information</b>																	
Title		Author	DRVDP57	Comment		Family	DRAVES										
Version	5.1	User-defined ID	SINA_SPD														
<b>Variables</b>																	
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment								
<b>▼ Input</b>																	
EnableAxis	Bool	0	False	True	True	True	False		0-->1; 1 = Enable the drive (OFF2 / OFF 3 are 1 in default status) (OFF1 = 0-->1)								
On2	Bool	true	False	True	True	True	False										
On3	Bool	true	False	True	True	True	False										
EnableOperation	Bool	true	False	True	True	True	False										
EnableFunGen	Bool	false	False	True	True	True	False										
ContinueRamp	Bool	true	False	True	True	True	False										
EnableSetpoint	Bool	true	False	True	True	True	False										
AckError	Bool	0	False	True	True	True	False		1 = Acknowledge drive error								
JogForward	Bool	false	False	True	True	True	False										
JogBackwards	Bool	false	False	True	True	True	False										
Reverse	Bool	false	False	True	True	True	False										
SpeedControlEn	Bool	true	False	True	True	True	False										
SpeedSp	Real	0.0	False	True	True	True	False		Speed standardises with the standardisation factor								
RefSpeed	Real	0.0	False	True	True	True	False		Standardisation factor of speed								
ConfigAxis	Word	16#003F	False	True	True	True	False		binary programmed input to control all functions in the telegram without its own function block input								
HWIDSTW	HW_IO	0	False	True	True	True	False		Hardware Identifier set point slot								
HWIDZSW	HW_IO	0	False	True	True	True	False		Hardware Identifier actual value slot								
<b>▼ Output</b>																	
AxisEnabled	Bool	0	False	True	True	True	False		1 = Drive is enabled								
Lockout	Bool	0	False	True	True	True	False		1 = Drive lockout active								
ActVelocity	Real	0.0	False	True	True	True	False		Actual in [U/min]								
Error	Bool	0	False	True	True	True	False		1 = Error (FB and Infeed)								
Status	Word	0	False	True	True	True	False		Status output (7002 = FB in operation; 8xxx = error description - read the manual)								
DiagId	Word	16#0000	False	True	True	True	False		Error codes of the cyclic system function blocks DPWR / DPRD_DAT								
<b>InOut</b>																	
<b>▼ Static</b>																	
<b>▼ sxSendBuf</b>		Struct		False	True	True	True	False	Send buffer								
STW1	Word	WORD#16#0000	False	True	True	True	False		STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST- Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> Fährtung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST- Wort-1 Bit 12 --> Haltebremse unbedingt öffnen Bit13 : BOOL:=False; // ST- Wort-1 Bit 13 --> Motorpotenziometer Sollwert höher Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST- Wort-1 Bit 06 --> Speed set point ena- ble AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;								
Velocity	Word	WORD#16#0000	False	True	True	True	False		Setpoint of velocity								

Totally Integrated Automation Portal									
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ sxRecvBuf	Struct		False	True	True	True	False		Receive buffer
ZSW1	Word	WORD#16#0000	False	True	True	True	False		ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÃ¼hrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielpo- sition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Refer- enzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Halte- bremse Ã¶ffnen Motover : BOOL:=False; // ZSW-Wort-1 = keine Warnung Ãœbertemperatur Motor Dir : BOOL:=False; // ZSW-Wort-1 = Di- rection Invover : BOOL:=False; // ZSW- Wort-1 = keine Warnung thermische Ãœberlast Leistungsteil Rts : BOOL:=False; // ZSW-Wort-1 = Ready to power up / to start Rdy : BOOL:=False; // ZSW-Wort-1 = Ready to operate IOp : BOOL:=False; // ZSW- Wort-1 = In operation (operation ena- bled) Fault : BOOL:=False; // ZSW- Wort-1 = Fault present NoOff2 : BOOL:=False; // ZSW-Wort-1 = OFF2 inactive NoOff3 : BOOL:=False; // ZSW-Wort-1 = OFF3 inactive Inhibit : BOOL:=False; // ZSW-Wort-1 = Power ON inhibit active Alarm : BOOL:=False; // ZSW-Wort-1 = Alarm / Warning present END_STRUCT;
Velocity	Word	WORD#16#0000	False	True	True	True	False		Feedback of velocity

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

## SINA\_SPEED [FB285]

## SINA\_SPEED Properties

## General

Name	SINA_SPEED	Number	285	Type	FB	Language	SCL
Numbering	Automatic						

Totally Integrated Automation Portal			
<b>Information</b>			
Title	'Speed Control with SINAMICS and S7'	Author	DRVDP57

Totally Integrated Automation Portal									
	***** *****								
Version	5.1	User-defined ID	SINA_SPD						
<b>Name</b> <b>Data type</b> <b>Default value</b> <b>Retain</b> <b>Accessible from HMI/OPC UA</b> <b>Writable from HMI/OPC UA</b> <b>Visible in HMI engineering</b> <b>Setpoint</b> <b>Supervision</b> <b>Comment</b>									
<b>▼ Input</b>									
EnableAxis	Bool	0	Non-retain	True	True	True	False		0-->1; 1 = Enable the drive (OFF2 / OFF 3 are 1 in default status) (OFF1 = 0-->1)
On2	Bool	true	Non-retain	True	True	True	False		
On3	Bool	true	Non-retain	True	True	True	False		
EnableOperation	Bool	true	Non-retain	True	True	True	False		
EnableFunGen	Bool	false	Non-retain	True	True	True	False		
ContinueRamp	Bool	true	Non-retain	True	True	True	False		
EnableSetpoint	Bool	true	Non-retain	True	True	True	False		
AckError	Bool	0	Non-retain	True	True	True	False		1 = Acknowledge drive error
JogForward	Bool	false	Non-retain	True	True	True	False		
JogBackwards	Bool	false	Non-retain	True	True	True	False		
Reverse	Bool	false	Non-retain	True	True	True	False		
SpeedControlEn	Bool	true	Non-retain	True	True	True	False		
SpeedSp	Real	0.0	Non-retain	True	True	True	False		Speed standardises with the standardisation factor
RefSpeed	Real	0.0	Non-retain	True	True	True	False		Standardisation factor of speed
ConfigAxis	Word	16#003F	Non-retain	True	True	True	False		binary programmed input to control all functions in the telegram without its own function block input
HWIDSTW	HW_IO	0	Non-retain	True	True	True	False		Hardware Identifier set point slot
HWIDZSW	HW_IO	0	Non-retain	True	True	True	False		Hardware Identifier actual value slot
<b>▼ Output</b>									
AxisEnabled	Bool	0	Non-retain	True	True	True	False		1 = Drive is enabled
Lockout	Bool	0	Non-retain	True	True	True	False		1 = Drive lockout active
ActVelocity	Real	0.0	Non-retain	True	True	True	False		Actual in [U/min]
Error	Bool	0	Non-retain	True	True	True	False		1 = Error (FB and Infeed)
Status	Word	0	Non-retain	True	True	True	False		Status output (7002 = FB in operation; 8xxx = error description - read the manual)
DiagId	Word	16#0000	Non-retain	True	True	True	False		Error codes of the cyclic system funtion blocks DPWR / DPRD_DAT
InOut									
<b>▼ Static</b>									
<b>▼ sxSendBuf</b>		Struct		Non-retain	True	True	True	False	Send buffer





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<pre> 0067 //kein Fehler beim Schreiben 0068 IF #piRetSFC = 0 THEN 0069 0070 //Prozessdaten von der Signalbaugruppe lesen 0071 #piRetSFC := DPRD_DAT(LADDR := #HWIDZSW, 0072 RECORD =&gt; #swRecvBuf); 0073 0074 // Fehler der R&amp;Ackmeldung ausgeben 0075 #DiagId := INT_TO_WORD(#piRetSFC); 0076 END_IF; 0077 0078 //Fehler beim Lesen (Profibus-Kommunikation unterbrochen) 0079 IF #piRetSFC &lt;&gt; 0 THEN 0080 0081 // Fehler 0082 #Error := TRUE; 0083 #Status := 16#8600; 0084 0085 // Zustandsworte l&amp;Auml;schen 0086 #sxRecvBuf.ZSW1.%X8 := 0; 0087 #sxRecvBuf.ZSW1.%X9 := 0; 0088 #sxRecvBuf.ZSW1.%X10 := 0; 0089 #sxRecvBuf.ZSW1.%X11 := 0; 0090 #sxRecvBuf.ZSW1.%X12 := 0; 0091 #sxRecvBuf.ZSW1.%X13 := 0; 0092 #sxRecvBuf.ZSW1.%X14 := 0; 0093 #sxRecvBuf.ZSW1.%X15 := 0; 0094 #sxRecvBuf.ZSW1.%X0 := 0; 0095 #sxRecvBuf.ZSW1.%X1 := 0; 0096 #sxRecvBuf.ZSW1.%X2 := 0; 0097 #sxRecvBuf.ZSW1.%X3 := 0; 0098 #sxRecvBuf.ZSW1.%X4 := 0; 0099 #sxRecvBuf.ZSW1.%X5 := 0; 0100 #sxRecvBuf.ZSW1.%X6 := 0; 0101 #sxRecvBuf.ZSW1.%X7 := 0; 0102 0103 0104 (*#sxRecvBuf.sxZSW1.SpDev := 0; 0105 #sxRecvBuf.sxZSW1.Pcd := 0; 0106 #sxRecvBuf.sxZSW1.Comp := 0; 0107 #sxRecvBuf.sxZSW1.CurLim := 0; 0108 #sxRecvBuf.sxZSW1.Brake := 0; 0109 #sxRecvBuf.sxZSW1.Motover := 0; 0110 #sxRecvBuf.sxZSW1.Dir := 0; 0111 #sxRecvBuf.sxZSW1.Invover := 0; 0112 #sxRecvBuf.sxZSW1.Rts := 0; 0113 #sxRecvBuf.sxZSW1.Rdy := 0; 0114 #sxRecvBuf.sxZSW1.IOp := 0; 0115 #sxRecvBuf.sxZSW1.Fault := 0; 0116 #sxRecvBuf.sxZSW1.NoOff2 := 0; 0117 #sxRecvBuf.sxZSW1.NoOff3 := 0; 0118 #sxRecvBuf.sxZSW1.Inhibit := 0; 0119 #sxRecvBuf.sxZSW1.Alarm := 0;*) 0120 0121 #sxRecvBuf.Velocity := W#16#00; 0122 0123 // Werte auslesen 0124 ELSE 0125 #sxRecvBuf.ZSW1 := #swRecvBuf[0]; 0126 #sxRecvBuf.Velocity := #swRecvBuf[1]; 0127 0128 // ZSW1 aufbereiten 0129 #AxisEnabled := #sxRecvBuf.ZSW1.%X2; 0130 #Error := #sxRecvBuf.ZSW1.%X3 OR #sxRecvBuf.ZSW1.%X6; 0131 #Lockout := #sxRecvBuf.ZSW1.%X6; 0132 0133 // Fehler auswerten 0134 IF #sxRecvBuf.ZSW1.%X3 THEN 0135 #Status := 16#8401; 0136 ELSIF #sxRecvBuf.ZSW1.%X6 THEN 0137 #Status := 16#8402; 0138 ELSE 0139 #Status := 16#7002; 0140 END_IF; 0141 0142 (*#Busy := #sxRecvBuf.sxZSW1.IOp; 0143 #Error := #sxRecvBuf.sxZSW1.Fault OR #sxRecvBuf.sxZSW1.Inhibit; 0144 #PwrInhibit := #sxRecvBuf.sxZSW1.Inhibit; 0145 0146 // Fehler auswerten 0147 IF #sxRecvBuf.sxZSW1.Fault THEN 0148 #ErrorId := 1; 0149 ELSIF #sxRecvBuf.sxZSW1.Inhibit THEN 0150 #ErrorId := 2; 0151 ELSE 0152 #ErrorId := 0; 0153 END_IF;*) 0154 </pre>		

Totally Integrated Automation Portal																																																																																																																																																					
	<pre> 0155 // Geschwindigkeit 0156 IF #RefSpeed &lt;&gt; 0 THEN 0157   #ActVelocity := INT_TO_REAL(WORD_TO_INT(#sxRecvBuf.Velocity)) / (16384.0 / #RefSpeed); 0158 ELSE 0159   #ActVelocity := 0.0; 0160 END_IF; 0161 END_IF; 0162 ELSE 0163 0164 // Fehler 0165 #Error := TRUE; 0166 #Status := 16#8601; 0167 0168 END_IF; 0169 0170 0171 </pre> <table border="1"> <thead> <tr> <th>Symbol</th> <th>Address</th> <th>Type</th> <th>Comment</th> </tr> </thead> <tbody> <tr><td>#AckError</td><td></td><td>Bool</td><td>1 = Acknowledge drive error</td></tr> <tr><td>#ActVelocity</td><td></td><td>Real</td><td>Actual in [U/min]</td></tr> <tr><td>#AxisEnabled</td><td></td><td>Bool</td><td>1 = Drive is enabled</td></tr> <tr><td>#ConfigAxis.%X8</td><td></td><td>Bool</td><td>binary programmed input to control all functions in the telegram without its own function block input</td></tr> <tr><td>#ConfigAxis.%X9</td><td></td><td>Bool</td><td>binary programmed input to control all functions in the telegram without its own function block input</td></tr> <tr><td>#ConfigAxis.%X12</td><td></td><td>Bool</td><td>binary programmed input to control all functions in the telegram without its own function block input</td></tr> <tr><td>#ContinueRamp</td><td></td><td>Bool</td><td></td></tr> <tr><td>#DiagId</td><td></td><td>Word</td><td>Error codes of the cyclic system funtion blocks DPWR / DPRD_DAT</td></tr> <tr><td>#EnableAxis</td><td></td><td>Bool</td><td>0--&gt;1; 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8xxx = error description - read the manual)</td></tr> <tr><td>#swRecvBuf</td><td></td><td>Array</td><td>Empfangspuffer Static variables</td></tr> <tr><td>#swRecvBuf[0]</td><td></td><td>Word</td><td>Empfangspuffer Static variables</td></tr> <tr><td>#swRecvBuf[1]</td><td></td><td>Word</td><td>Empfangspuffer Static variables</td></tr> <tr><td>#swSendBuf</td><td></td><td>Array</td><td>Sendepuffer</td></tr> <tr><td>#swSendBuf[0]</td><td></td><td>Word</td><td>Sendepuffer</td></tr> <tr><td>#swSendBuf[1]</td><td></td><td>Word</td><td>Sendepuffer</td></tr> <tr><td>#sxRecvBuf.Velocity</td><td></td><td>Word</td><td>Feedback of velocity</td></tr> <tr><td>#sxRecvBuf.ZSW1</td><td></td><td>Word</td><td>ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÄ%hrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielposition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Referenzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Haltebremse Äffnen Motover : BOOL:=False; 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#sxRecvBuf.ZSW1.%X13		Bool	ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÄ%hrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielposition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Referenzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Haltebremse Äffnen Motover : BOOL:=False; // ZSW-Wort-1 = keine Warnung Äebertemperatur Motor Dir : BOOL:=False; // ZSW-Wort-1 = Direction Invover : BOOL:=False; // ZSW-Wort-1 = keine Warnung thermische Äeberlast Leistungsteil Rts : BOOL:=False; // ZSW-Wort-1 = Ready to power up / to start Rdy : BOOL:=False; // ZSW-Wort-1 = Ready to operate IOp : BOOL:=False; // ZSW-Wort-1 = In operation (operation enabled) Fault : BOOL:=False; // ZSW-Wort-1 = Fault present NoOff2 : BOOL:=False; // ZSW-Wort-1 = OFF2 inactive NoOff3 : BOOL:=False; // ZSW-Wort-1 = OFF3 inactive Inhibit : BOOL:=False; // ZSW-Wort-1 = Power ON inhibit active Alarm : BOOL:=False; // ZSW-Wort-1 = Alarm / Warning present END_STRUCT;
#sxRecvBuf.ZSW1.%X14		Bool	ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÄ%hrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielposition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Referenzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Haltebremse Äffnen Motover : BOOL:=False; // ZSW-Wort-1 = keine Warnung Äebertemperatur Motor Dir : BOOL:=False; // ZSW-Wort-1 = Direction Invover : BOOL:=False; // ZSW-Wort-1 = keine Warnung thermische Äeberlast Leistungsteil Rts : BOOL:=False; // ZSW-Wort-1 = Ready to power up / to start Rdy : BOOL:=False; // ZSW-Wort-1 = Ready to operate IOp : BOOL:=False; // ZSW-Wort-1 = In operation (operation enabled) Fault : BOOL:=False; // ZSW-Wort-1 = Fault present NoOff2 : BOOL:=False; // ZSW-Wort-1 = OFF2 inactive NoOff3 : BOOL:=False; // ZSW-Wort-1 = OFF3 inactive Inhibit : BOOL:=False; // ZSW-Wort-1 = Power ON inhibit active Alarm : BOOL:=False; // ZSW-Wort-1 = Alarm / Warning present END_STRUCT;
#sxRecvBuf.ZSW1.%X15		Bool	ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÄ%hrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielposition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Referenzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Haltebremse Äffnen Motover : BOOL:=False; // ZSW-Wort-1 = keine Warnung Äebertemperatur Motor Dir : BOOL:=False; // ZSW-Wort-1 = Direction Invover : BOOL:=False; // ZSW-Wort-1 = keine Warnung thermische Äeberlast Leistungsteil Rts : BOOL:=False; // ZSW-Wort-1 = Ready to power up / to start Rdy : BOOL:=False; // ZSW-Wort-1 = Ready to operate IOp : BOOL:=False; // ZSW-Wort-1 = In operation (operation enabled) Fault : BOOL:=False; // ZSW-Wort-1 = Fault present NoOff2 : BOOL:=False; // ZSW-Wort-1 = OFF2 inactive NoOff3 : BOOL:=False; // ZSW-Wort-1 = OFF3 inactive Inhibit : BOOL:=False; // ZSW-Wort-1 = Power ON inhibit active Alarm : BOOL:=False; // ZSW-Wort-1 = Alarm / Warning present END_STRUCT;
#sxSendBuf.STW1		Word	STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÄ%hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Äffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÄher Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;
#sxSendBuf.STW1.%X0		Bool	STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÄ%hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Äffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÄher Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;
#sxSendBuf.STW1.%X1		Bool	STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÄ%hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Äffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÄher Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;





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Symbol	Address	Type	Comment
#sxSendBuf.STW1.%X14		Bool	STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÃ¼hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Ã¶ffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÃ¶her Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;
#sxSendBuf.STW1.%X15		Bool	STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÃ¼hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Ã¶ffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÃ¶her Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;
#sxSendBuf.Velocity		Word	Setpoint of velocity

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Counter\_0\_DB [DB3]

#### IEC\_Counter\_0\_DB Properties

##### General

Name	IEC_Counter_0_DB	Number	3	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	CNTR				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
CU	Bool	false	True	True	True	True	False		
CD	Bool	false	True	True	True	True	False		
R	Bool	false	True	True	True	True	False		
LD	Bool	false	True	True	True	True	False		
QU	Bool	false	True	True	True	True	False		
QD	Bool	false	True	True	True	True	False		
PV	Int	0	True	True	True	True	False		
CV	Int	0	True	True	True	True	False		

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_2 [DB11]

#### IEC\_Timer\_0\_DB\_2 Properties

##### General

Name	IEC_Timer_0_DB_2	Number	11	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB [DB5]

#### IEC\_Timer\_0\_DB Properties

##### General

Name	IEC_Timer_0_DB	Number	5	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_3 [DB12]

#### IEC\_Timer\_0\_DB\_3 Properties

##### General

Name	IEC_Timer_0_DB_3	Number	12	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### MB\_CLIENT [FB1084]

MB_CLIENT Properties										
General										
Name	MB_CLIENT	Number	1084	Type	FB	Language	SCL			
Numbering	Automatic									
Information										
Title	Modbus client communication	Author	SIMATIC	Comment		Family	MBUS_TCP			
Version	5.1	User-defined ID	MB_CLI							
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
REQ	Bool	false	Non-retain	True	True	True	False		Activates the requested transmission if TRUE	
DISCONNECT	Bool	false	Non-retain	True	True	True	False		Initiates a disconnect operation	
MB_MODE	USInt	0	Non-retain	True	True	True	False		Specifies the type of request: read, write or diagnostic	
MB_DATA_ADDR	UDInt	0	Non-retain	True	True	True	False		Specifies the starting address of the data to be accessed in the Modbus client	
MB_DATA_LEN	UInt	0	Non-retain	True	True	True	False		Specifies the number of bits or words to be accessed	
▼ Output										
DONE	Bool	false	Non-retain	True	True	True	False		Instruction finished without error	
BUSY	Bool	false	Non-retain	True	True	True	False		Modbus transaction in progress	
ERROR	Bool	false	Non-retain	True	True	True	False		Instruction finished with error	
STATUS	Word	16#0000	Non-retain	True	True	False	False		Detailed error information	
▼ InOut										
MB_DATA_PTR	Variant			False	False	False	False		Reference to the local source or destination address	
CONNECT	Variant			False	False	False	False		Reference to the connection parameters	
▼ Static										
▼ TCON	TCON			True	True	True	True		Local instance of the instruction TCON	
▼ Input										
REQ	Bool	false	Non-retain	True	True	True	False		Function to be executed on rising edge	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		Connection identifier	
▼ Output										
DONE	Bool	false	Non-retain	True	True	True	False		New data received	
BUSY	Bool	false	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	false	Non-retain	True	True	True	False		Error detected	
STATUS	Word	W#16#7000	Non-retain	True	True	True	False		Function result/error message	
▼ InOut										
CONNECT	Variant			False	False	False	False		Connection description	
Static										
▼ TDISCON	TDISCON			True	True	True	True		Local instance of the instruction TDISCON	
▼ Input										
REQ	Bool	False	Non-retain	True	True	True	False		Function to be executed on rising edge	
ID	CONN_OUC	W#16#0	Non-retain	True	True	True	False		Connection identifier	
▼ Output										
DONE	Bool	False	Non-retain	True	True	True	False		Function performed	
BUSY	Bool	False	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	False	Non-retain	True	True	True	False		Error detected	
STATUS	Word	W#16#7000	Non-retain	True	True	True	False		Function result/error message	
InOut										
Static										
▼ TSEND	TSEND			True	True	True	True		Local instance of the instruction TSEND	
▼ Input										
REQ	Bool	false	Non-retain	True	True	True	False		Function to be executed on rising edge	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		Connection identifier	
LEN	UDInt	0	Non-retain	True	True	True	False		Data length to send	

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Output										
DONE	Bool	false	Non-retain	True	True	True	False		Send performed	
BUSY	Bool	false	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	false	Non-retain	True	True	True	False		Error detected	
STATUS	Word	W#16#7000	Non-retain	True	True	True	False		Function result/error message	
▼ InOut										
DATA	Variant			False	False	False	False		Pointer on data area to send	
ADDR	Variant			False	False	False	False		Pointer on address of receiver	
Static										
▼ TRECEIVE	TRCV			True	True	True	True		Local instance of the instruction TRCV	
▼ Input										
EN_R	Bool	false	Non-retain	True	True	True	False		EN_R=1: function enabled	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		Connection identifier	
LEN	UDInt	0	Non-retain	True	True	True	False		Data length to receive	
ADHOC	Bool	false	Non-retain	True	True	True	False		Request adhoc mode	
▼ Output										
NDR	Bool	false	Non-retain	True	True	True	False		New data received	
BUSY	Bool	false	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	false	Non-retain	True	True	True	False		Error detected	
STATUS	Word	W#16#7000	Non-retain	True	True	True	False		Function result/error message	
RCVD_LEN	UDInt	0	Non-retain	True	True	True	False		Length of received data	
▼ InOut										
DATA	Variant			False	False	False	False		Buffer for received data	
ADDR	Variant			False	False	False	False		Address of sender	
Static										
▼ TRESET	T_RESET			True	True	True	True		Local instance of the instruction T_RESET	
▼ Input										
REQ	Bool	false	Non-retain	True	True	True	False		Function to be executed on rising edge	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		Connection identifier	
▼ Output										
DONE	Bool	false	Non-retain	True	True	True	False		Function performed	
BUSY	Bool	false	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	false	Non-retain	True	True	True	False		Error detected	
STATUS	Word	16#0	Non-retain	True	True	True	False		Function result/error message	
InOut										
Static										
▼ TDIAg	T_DIAG			True	True	True	True		Local instance of the instruction T_DIAG	
▼ Input										
REQ	Bool	false	Non-retain	True	True	True	False		Function to be executed on rising edge	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		Connection identifier	
▼ Output										
DONE	Bool	false	Non-retain	True	True	True	False		Function completed	
BUSY	Bool	false	Non-retain	True	True	True	False		Function busy	
ERROR	Bool	false	Non-retain	True	True	True	False		Error detected	
STATUS	Word	16#0	Non-retain	True	True	True	False		Function result/error message	
▼ InOut										
RESULT	Variant			False	False	False	False		Diagnostics information	
Static										
▼ TDIAg_Status	TDIAG_Status		Non-retain	True	True	True	True		TDIAG_Status structure	
Interfaceld	HW_ANY	0	Non-retain	True	True	True	False		HW-identifier of IE-interface submodule	
ID	CONN_OUC	16#0	Non-retain	True	True	True	False		connection reference / identifier of monitored connection	
ConnectionType	Byte	16#00	Non-retain	True	True	True	False		type of monitored connection	
ActiveEstablished	Bool	false	Non-retain	True	True	True	False		active/passive connection establishment	
State	Byte	16#00	Non-retain	True	True	True	False		state of monitored connection	
Kind	Byte	16#00	Non-retain	True	True	True	False		kind of monitored connection	
SentBytes	UDInt	16#00	Non-retain	True	True	True	False		bytes sent via monitored connection	
ReceivedBytes	UDInt	16#00	Non-retain	True	True	True	False		bytes received on monitored connection	

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Blocked_Proc_Timeout	Real	3.0	Non-retain	True	True	True	False		Time to wait upon a blocked Modbus Client instance before setting inactive
Rcv_Timeout	Real	2.0	Non-retain	True	True	True	False		Amount of time that the client waits for the server to respond to a request
MB_Unit_ID	Byte	16#FF	Non-retain	True	True	True	False		The Modbus slave address
MB_Transaction_ID	Word	1	Non-retain	True	True	True	False		Number of the current transaction
MB_State	Word	16#0	Non-retain	True	False	True	False		Internal state of the Modbus client operation
SAVED_MB_DATA_ADDR	UDInt	0	Non-retain	False	False	False	False		For internal use only
SAVED_DATA_LEN	UInt	0	Non-retain	False	False	False	False		For internal use only
SAVED_MB_MODE	USInt	0	Non-retain	False	False	False	False		For internal use only
Connection_ID	Word	16#0	Non-retain	True	True	True	False		For internal use only
Retries	Word	3	Non-retain	True	True	True	False		Number of retries that the client will attempt before returning a no response error
▼ TEMP_DATA	Array[1..263] of Byte		Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[1]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[2]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[3]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[4]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[5]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[6]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[7]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[8]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[9]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[10]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[11]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[12]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[13]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[14]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[15]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[16]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[17]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[18]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[19]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[20]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[21]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[22]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[23]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[24]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[25]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[26]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[27]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[28]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[29]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[30]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[31]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[32]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[33]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[34]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[35]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[36]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[37]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[38]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[39]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[40]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[41]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[42]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[43]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[44]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[45]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[46]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[47]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[48]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[49]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[50]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[51]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[52]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[53]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[54]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[55]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[56]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only
TEMP_DATA[57]	Byte	16#0	Set in IDB	True	False	True	False		For internal use only













Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Data[223]	Byte		Set in IDB	False	False	False	False		
Data[224]	Byte		Set in IDB	False	False	False	False		
Data[225]	Byte		Set in IDB	False	False	False	False		
Data[226]	Byte		Set in IDB	False	False	False	False		
Data[227]	Byte		Set in IDB	False	False	False	False		
Data[228]	Byte		Set in IDB	False	False	False	False		
Data[229]	Byte		Set in IDB	False	False	False	False		
Data[230]	Byte		Set in IDB	False	False	False	False		
Data[231]	Byte		Set in IDB	False	False	False	False		
Data[232]	Byte		Set in IDB	False	False	False	False		
Data[233]	Byte		Set in IDB	False	False	False	False		
Data[234]	Byte		Set in IDB	False	False	False	False		
Data[235]	Byte		Set in IDB	False	False	False	False		
Data[236]	Byte		Set in IDB	False	False	False	False		
Data[237]	Byte		Set in IDB	False	False	False	False		
Data[238]	Byte		Set in IDB	False	False	False	False		
Data[239]	Byte		Set in IDB	False	False	False	False		
Data[240]	Byte		Set in IDB	False	False	False	False		
Data[241]	Byte		Set in IDB	False	False	False	False		
Data[242]	Byte		Set in IDB	False	False	False	False		
Data[243]	Byte		Set in IDB	False	False	False	False		
Data[244]	Byte		Set in IDB	False	False	False	False		
Data[245]	Byte		Set in IDB	False	False	False	False		
Data[246]	Byte		Set in IDB	False	False	False	False		
Data[247]	Byte		Set in IDB	False	False	False	False		
Data[248]	Byte		Set in IDB	False	False	False	False		
▼ FC5_6_Req	TCP_MB_FC5_6_Req		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
StartAddr	Word		Set in IDB	False	False	False	False		
Value	Word		Set in IDB	False	False	False	False		
▼ FC5_6_ValResp	TCP_MB_FC5_6_ValResp		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
StartAddr	Word		Set in IDB	False	False	False	False		
Value	Word		Set in IDB	False	False	False	False		
▼ FC15_16_Req	TCP_MB_FC15_16_Req		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
StartAddr	Word		Set in IDB	False	False	False	False		
Quantity	Word		Set in IDB	False	False	False	False		
ByteCount	Byte		Set in IDB	False	False	False	False		
Value1	Byte		Set in IDB	False	False	False	False		
▼ Values	Array[0..244] of Byte		Set in IDB	False	False	False	False		
Values[0]	Byte		Set in IDB	False	False	False	False		
Values[1]	Byte		Set in IDB	False	False	False	False		
Values[2]	Byte		Set in IDB	False	False	False	False		
Values[3]	Byte		Set in IDB	False	False	False	False		
Values[4]	Byte		Set in IDB	False	False	False	False		
Values[5]	Byte		Set in IDB	False	False	False	False		
Values[6]	Byte		Set in IDB	False	False	False	False		
Values[7]	Byte		Set in IDB	False	False	False	False		
Values[8]	Byte		Set in IDB	False	False	False	False		
Values[9]	Byte		Set in IDB	False	False	False	False		
Values[10]	Byte		Set in IDB	False	False	False	False		
Values[11]	Byte		Set in IDB	False	False	False	False		
Values[12]	Byte		Set in IDB	False	False	False	False		
Values[13]	Byte		Set in IDB	False	False	False	False		
Values[14]	Byte		Set in IDB	False	False	False	False		
Values[15]	Byte		Set in IDB	False	False	False	False		
Values[16]	Byte		Set in IDB	False	False	False	False		
Values[17]	Byte		Set in IDB	False	False	False	False		
Values[18]	Byte		Set in IDB	False	False	False	False		







Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Values[244]	Byte		Set in IDB	False	False	False	False		
▼ FC11_Req	TCP_MB_FC11_Req		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
Status	Word		Set in IDB	False	False	False	False		
EventCount	Word		Set in IDB	False	False	False	False		
▼ FC8_Req	TCP_MB_FC8_R eq		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
SubFunction	Word		Set in IDB	False	False	False	False		
Data	Word		Set in IDB	False	False	False	False		
▼ FCx_ErrResp	TCP_MB_FCx_Er rResp		Set in IDB	False	False	False	False		For internal use only
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
ECode	Byte		Set in IDB	False	False	False	False		
▼ FC11_ValResp	Struct		Set in IDB	False	False	False	False		
Transaction_ID	Word		Set in IDB	False	False	False	False		
Protocol_ID	Word		Set in IDB	False	False	False	False		
Length	Word		Set in IDB	False	False	False	False		
Unit_ID	Byte		Set in IDB	False	False	False	False		
FCode	Byte		Set in IDB	False	False	False	False		
▼ Data	Array[1..4] of Byte		Set in IDB	False	False	False	False		
Data[1]	Byte		Set in IDB	False	False	False	False		
Data[2]	Byte		Set in IDB	False	False	False	False		
Data[3]	Byte		Set in IDB	False	False	False	False		
Data[4]	Byte		Set in IDB	False	False	False	False		
▼ MB_Buffer_Req	Struct		Set in IDB	False	False	False	False		
TransactionId	UInt		Set in IDB	False	False	False	False		
ProtocolId	UInt		Set in IDB	False	False	False	False		
Length	UInt		Set in IDB	False	False	False	False		
UID	USInt		Set in IDB	False	False	False	False		
FCode	USInt		Set in IDB	False	False	False	False		
Address	UInt		Set in IDB	False	False	False	False		
Quanity_Value	UInt		Set in IDB	False	False	False	False		
▼ MB_Buffer_Resp	Struct		Set in IDB	False	False	False	False		
TransactionId	UInt		Set in IDB	False	False	False	False		
ProtocolId	UInt		Set in IDB	False	False	False	False		
Length	UInt		Set in IDB	False	False	False	False		
UID	USInt		Set in IDB	False	False	False	False		
FCode	USInt		Set in IDB	False	False	False	False		
ByteCount	USInt		Set in IDB	False	False	False	False		
Data1	USInt		Set in IDB	False	False	False	False		
▼ Data	Array[1..252] of Byte		Set in IDB	False	False	False	False		
Data[1]	Byte		Set in IDB	False	False	False	False		
Data[2]	Byte		Set in IDB	False	False	False	False		
Data[3]	Byte		Set in IDB	False	False	False	False		
Data[4]	Byte		Set in IDB	False	False	False	False		
Data[5]	Byte		Set in IDB	False	False	False	False		
Data[6]	Byte		Set in IDB	False	False	False	False		
Data[7]	Byte		Set in IDB	False	False	False	False		
Data[8]	Byte		Set in IDB	False	False	False	False		
Data[9]	Byte		Set in IDB	False	False	False	False		
Data[10]	Byte		Set in IDB	False	False	False	False		
Data[11]	Byte		Set in IDB	False	False	False	False		
Data[12]	Byte		Set in IDB	False	False	False	False		
Data[13]	Byte		Set in IDB	False	False	False	False		
Data[14]	Byte		Set in IDB	False	False	False	False		
Data[15]	Byte		Set in IDB	False	False	False	False		
Data[16]	Byte		Set in IDB	False	False	False	False		
Data[17]	Byte		Set in IDB	False	False	False	False		
Data[18]	Byte		Set in IDB	False	False	False	False		







Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Data[244]	Byte		Set in IDB	False	False	False	False		
Data[245]	Byte		Set in IDB	False	False	False	False		
Data[246]	Byte		Set in IDB	False	False	False	False		
Data[247]	Byte		Set in IDB	False	False	False	False		
Data[248]	Byte		Set in IDB	False	False	False	False		
Data[249]	Byte		Set in IDB	False	False	False	False		
Data[250]	Byte		Set in IDB	False	False	False	False		
Data[251]	Byte		Set in IDB	False	False	False	False		
Data[252]	Byte		Set in IDB	False	False	False	False		
▼ rcv_timer	TON_TIME		Non-retain	False	False	False	True		For internal use only
PT	Time	T#0ms	Non-retain	False	False	False	False		
ET	Time	T#0ms	Non-retain	False	False	False	False		
IN	Bool	false	Non-retain	False	False	False	False		
Q	Bool	false	Non-retain	False	False	False	False		
▼ wd_timer	TON_TIME		Non-retain	False	False	False	True		For internal use only
PT	Time	T#0ms	Non-retain	False	False	False	False		
ET	Time	T#0ms	Non-retain	False	False	False	False		
IN	Bool	false	Non-retain	False	False	False	False		
Q	Bool	false	Non-retain	False	False	False	False		
Connected	Bool	false	Non-retain	True	True	True	False		Connection state
Active	Bool	false	Non-retain	True	False	True	False		This call is the active instance

Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

## **MB\_CLIENT\_DB [DB21]**

MB_CLIENT_DB Properties									
General									
Name	MB_CLIENT_DB	Number	21	Type	DB	Language	DB		
Numbering	Automatic								
Information									
Title			Author	SIMATIC	Comment			Family	MBUS_TCP
Version	5.1		User-defined ID	MB_CLI					
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
REQ	Bool	false	False	True	True	True	False		Activates the requested transmission if TRUE
DISCONNECT	Bool	false	False	True	True	True	False		Initiates a disconnect operation
MB_MODE	USInt	0	False	True	True	True	False		Specifies the type of request: read, write or diagnostic
MB_DATA_ADDR	UDInt	0	False	True	True	True	False		Specifies the starting address of the data to be accessed in the Modbus client
MB_DATA_LEN	UInt	0	False	True	True	True	False		Specifies the number of bits or words to be accessed
▼ Output									
DONE	Bool	false	False	True	True	True	False		Instruction finished without error
BUSY	Bool	false	False	True	True	True	False		Modbus transaction in progress
ERROR	Bool	false	False	True	True	True	False		Instruction finished with error
STATUS	Word	16#0000	False	True	True	False	False		Detailed error information
▼ InOut									
MB_DATA_PTR	Variant		False	False	False	False	False		Reference to the local source or destination address
CONNECT	Variant		False	False	False	False	False		Reference to the connection parameters
▼ Static									
▼ TCON									
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	false	False	True	True	True	False		New data received
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	W#16#7000	False	True	True	True	False		Function result/error message
▼ InOut									
CONNECT	Variant		False	False	False	False	False		Connection description
Static									
▼ TDISCON									
▼ Input									
REQ	Bool	False	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	W#16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	False	False	True	True	True	False		Function performed
BUSY	Bool	False	False	True	True	True	False		Function busy
ERROR	Bool	False	False	True	True	True	False		Error detected
STATUS	Word	W#16#7000	False	True	True	True	False		Function result/error message
InOut									
Static									
▼ TSEND									
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
LEN	UDInt	0	False	True	True	True	False		Data length to send
▼ Output									
DONE	Bool	false	False	True	True	True	False		Send performed
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	W#16#7000	False	True	True	True	False		Function result/error message
▼ InOut									
DATA	Variant		False	False	False	False	False		Pointer on data area to send

Totally Integrated Automation Portal									
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
ADDR	Variant		False	False	False	False	False		Pointer on address of receiver
Static									
▼ TRECEIVE	TRCV		False	True	True	True	True		Local instance of the instruction TRCV
▼ Input									
EN_R	Bool	false	False	True	True	True	False		EN_R=1: function enabled
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
LEN	UDInt	0	False	True	True	True	False		Data length to receive
ADHOC	Bool	false	False	True	True	True	False		Request adhoc mode
▼ Output									
NDR	Bool	false	False	True	True	True	False		New data received
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	W#16#7000	False	True	True	True	False		Function result/error message
RCVD_LEN	UDInt	0	False	True	True	True	False		Length of received data
▼ InOut									
DATA	Variant		False	False	False	False	False		Buffer for received data
ADDR	Variant		False	False	False	False	False		Address of sender
Static									
▼ TRESET	T_RESET		False	True	True	True	True		Local instance of the instruction T_RESET
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	false	False	True	True	True	False		Function performed
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	16#0	False	True	True	True	False		Function result/error message
InOut									
Static									
▼ TDIAg	T_DIAG		False	True	True	True	True		Local instance of the instruction T_DIAG
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	false	False	True	True	True	False		Function completed
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	16#0	False	True	True	True	False		Function result/error message
▼ InOut									
RESULT	Variant		False	False	False	False	False		Diagnostics information
Static									
▼ TDIAg_Status	TDIAG_Status		False	True	True	True	True		TDIAG_Status structure
Interfaceld	HW_ANY	0	False	True	True	True	False		HW-identifier of IE-interface submodule
ID	CONN_OUC	16#0	False	True	True	True	False		connection reference / identifier of monitored connection
ConnectionType	Byte	16#00	False	True	True	True	False		type of monitored connection
ActiveEstablished	Bool	false	False	True	True	True	False		active/passive connection establishment
State	Byte	16#00	False	True	True	True	False		state of monitored connection
Kind	Byte	16#00	False	True	True	True	False		kind of monitored connection
SentBytes	UDInt	16#00	False	True	True	True	False		bytes sent via monitored connection
ReceivedBytes	UDInt	16#00	False	True	True	True	False		bytes received on monitored connection
Blocked_Proc_Timeout	Real	3.0	False	True	True	True	False		Time to wait upon a blocked Modbus Client instance before setting inactive
Rcv_Timeout	Real	2.0	False	True	True	True	False		Amount of time that the client waits for the server to respond to a request
MB_Unit_ID	Byte	16#FF	False	True	True	True	False		The Modbus slave address
MB_Transaction_ID	Word	1	False	True	True	True	False		Number of the current transaction
MB_State	Word	16#0	False	True	False	True	False		Internal state of the Modbus client operation
SAVED_MB_DATA_ADDR	UDInt	0	False	False	False	False	False		For internal use only
SAVED_DATA_LEN	UInt	0	False	False	False	False	False		For internal use only
SAVED_MB_MODE	USInt	0	False	False	False	False	False		For internal use only
Connection_ID	Word	16#0	False	True	True	True	False		For internal use only
Retries	Word	3	False	True	True	True	False		Number of retries that the client will attempt before returning a no response error
▼ TEMP_DATA	Array[1..263] of Byte		False	True	False	True	False		For internal use only
TEMP_DATA[1]	Byte	16#0	False	True	False	True	False		For internal use only







Totally Integrated Automation Portal									
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
TEMP_DATA[227]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[228]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[229]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[230]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[231]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[232]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[233]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[234]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[235]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[236]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[237]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[238]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[239]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[240]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[241]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[242]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[243]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[244]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[245]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[246]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[247]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[248]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[249]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[250]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[251]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[252]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[253]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[254]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[255]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[256]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[257]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[258]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[259]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[260]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[261]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[262]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[263]	Byte	16#0	False	True	False	True	False		For internal use only
▼ rvc_timer	TON_TIME		False	False	False	False	True		For internal use only
PT	Time	T#0ms	False	False	False	False	False		
ET	Time	T#0ms	False	False	False	False	False		
IN	Bool	false	False	False	False	False	False		
Q	Bool	false	False	False	False	False	False		
▼ wd_timer	TON_TIME		False	False	False	False	True		For internal use only
PT	Time	T#0ms	False	False	False	False	False		
ET	Time	T#0ms	False	False	False	False	False		
IN	Bool	false	False	False	False	False	False		
Q	Bool	false	False	False	False	False	False		
Connected	Bool	false	False	True	True	True	False		Connection state
Active	Bool	false	False	True	False	True	False		This call is the active instance

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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources</b>																					
<b>MB_CLIENT_DB_1 [DB8]</b>																					
<b>MB_CLIENT_DB_1 Properties</b>																					
<b>General</b>																					
Name	MB_CLIENT_DB_1	Number	8	Type	DB	Language	DB														
Numbering	Automatic																				
<b>Information</b>																					
Title		Author	SIMATIC	Comment			Family	MBUS_TCP													
Version	5.1	User-defined ID	MB_CLI																		
<b>Name</b>		<b>Data type</b>	<b>Start value</b>	<b>Retain</b>	<b>Accessible from HMI/OPC UA</b>	<b>Writable from HMI/OPC UA</b>	<b>Visible in HMI engineering</b>	<b>Setpoint</b>	<b>Supervision</b>	<b>Comment</b>											
<b>▼ Input</b>																					
REQ	Bool	false	False	True	True	True	True	False		Activates the requested transmission if TRUE											
DISCONNECT	Bool	false	False	True	True	True	True	False		Initiates a disconnect operation											
MB_MODE	USInt	0	False	True	True	True	True	False		Specifies the type of request: read, write or diagnostic											
MB_DATA_ADDR	UDInt	0	False	True	True	True	True	False		Specifies the starting address of the data to be accessed in the Modbus client											
MB_DATA_LEN	UInt	0	False	True	True	True	True	False		Specifies the number of bits or words to be accessed											
<b>▼ Output</b>																					
DONE	Bool	false	False	True	True	True	True	False		Instruction finished without error											
BUSY	Bool	false	False	True	True	True	True	False		Modbus transaction in progress											
ERROR	Bool	false	False	True	True	True	True	False		Instruction finished with error											
STATUS	Word	16#0000	False	True	True	True	False	False		Detailed error information											
<b>▼ InOut</b>																					
MB_DATA_PTR	Variant		False	False	False	False	False	False		Reference to the local source or destination address											
CONNECT	Variant		False	False	False	False	False	False		Reference to the connection parameters											
<b>▼ Static</b>																					
<b>▼ TCON</b>		TCON		False	True	True	True	True		Local instance of the instruction TCON											
<b>▼ Input</b>																					
REQ	Bool	false	False	True	True	True	True	False		Function to be executed on rising edge											
ID	CONN_OUC	16#0	False	True	True	True	True	False		Connection identifier											
<b>▼ Output</b>																					
DONE	Bool	false	False	True	True	True	True	False		New data received											
BUSY	Bool	false	False	True	True	True	True	False		Function busy											
ERROR	Bool	false	False	True	True	True	True	False		Error detected											
STATUS	Word	W#16#7000	False	True	True	True	True	False		Function result/error message											
<b>▼ InOut</b>																					
CONNECT	Variant		False	False	False	False	False	False		Connection description											
<b>Static</b>																					
<b>▼ TDISCON</b>		TDISCON		False	True	True	True	True		Local instance of the instruction TDISCON											
<b>▼ Input</b>																					
REQ	Bool	False	False	True	True	True	True	False		Function to be executed on rising edge											
ID	CONN_OUC	W#16#0	False	True	True	True	True	False		Connection identifier											
<b>▼ Output</b>																					
DONE	Bool	False	False	True	True	True	True	False		Function performed											
BUSY	Bool	False	False	True	True	True	True	False		Function busy											
ERROR	Bool	False	False	True	True	True	True	False		Error detected											
STATUS	Word	W#16#7000	False	True	True	True	True	False		Function result/error message											
<b>InOut</b>																					
<b>Static</b>																					
<b>▼ TSEND</b>		TSEND		False	True	True	True	True		Local instance of the instruction TSEND											
<b>▼ Input</b>																					
REQ	Bool	false	False	True	True	True	True	False		Function to be executed on rising edge											
ID	CONN_OUC	16#0	False	True	True	True	True	False		Connection identifier											
LEN	UDInt	0	False	True	True	True	True	False		Data length to send											
<b>▼ Output</b>																					
DONE	Bool	false	False	True	True	True	True	False		Send performed											
BUSY	Bool	false	False	True	True	True	True	False		Function busy											
ERROR	Bool	false	False	True	True	True	True	False		Error detected											
STATUS	Word	W#16#7000	False	True	True	True	True	False		Function result/error message											
<b>▼ InOut</b>																					
DATA	Variant		False	False	False	False	False	False		Pointer on data area to send											

Totally Integrated Automation Portal									
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
ADDR	Variant		False	False	False	False	False		Pointer on address of receiver
Static									
▼ TRECEIVE	TRCV		False	True	True	True	True		Local instance of the instruction TRCV
▼ Input									
EN_R	Bool	false	False	True	True	True	False		EN_R=1: function enabled
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
LEN	UDInt	0	False	True	True	True	False		Data length to receive
ADHOC	Bool	false	False	True	True	True	False		Request adhoc mode
▼ Output									
NDR	Bool	false	False	True	True	True	False		New data received
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	W#16#7000	False	True	True	True	False		Function result/error message
RCVD_LEN	UDInt	0	False	True	True	True	False		Length of received data
▼ InOut									
DATA	Variant		False	False	False	False	False		Buffer for received data
ADDR	Variant		False	False	False	False	False		Address of sender
Static									
▼ TRESET	T_RESET		False	True	True	True	True		Local instance of the instruction T_RESET
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	false	False	True	True	True	False		Function performed
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	16#0	False	True	True	True	False		Function result/error message
InOut									
Static									
▼ TDIAg	T_DIAG		False	True	True	True	True		Local instance of the instruction T_DIAG
▼ Input									
REQ	Bool	false	False	True	True	True	False		Function to be executed on rising edge
ID	CONN_OUC	16#0	False	True	True	True	False		Connection identifier
▼ Output									
DONE	Bool	false	False	True	True	True	False		Function completed
BUSY	Bool	false	False	True	True	True	False		Function busy
ERROR	Bool	false	False	True	True	True	False		Error detected
STATUS	Word	16#0	False	True	True	True	False		Function result/error message
▼ InOut									
RESULT	Variant		False	False	False	False	False		Diagnostics information
Static									
▼ TDIAg_Status	TDIAG_Status		False	True	True	True	True		TDIAG_Status structure
Interfaceld	HW_ANY	0	False	True	True	True	False		HW-identifier of IE-interface submodule
ID	CONN_OUC	16#0	False	True	True	True	False		connection reference / identifier of monitored connection
ConnectionType	Byte	16#00	False	True	True	True	False		type of monitored connection
ActiveEstablished	Bool	false	False	True	True	True	False		active/passive connection establishment
State	Byte	16#00	False	True	True	True	False		state of monitored connection
Kind	Byte	16#00	False	True	True	True	False		kind of monitored connection
SentBytes	UDInt	16#00	False	True	True	True	False		bytes sent via monitored connection
ReceivedBytes	UDInt	16#00	False	True	True	True	False		bytes received on monitored connection
Blocked_Proc_Timeout	Real	3.0	False	True	True	True	False		Time to wait upon a blocked Modbus Client instance before setting inactive
Rcv_Timeout	Real	2.0	False	True	True	True	False		Amount of time that the client waits for the server to respond to a request
MB_Unit_ID	Byte	16#FF	False	True	True	True	False		The Modbus slave address
MB_Transaction_ID	Word	1	False	True	True	True	False		Number of the current transaction
MB_State	Word	16#0	False	True	False	True	False		Internal state of the Modbus client operation
SAVED_MB_DATA_ADDR	UDInt	0	False	False	False	False	False		For internal use only
SAVED_DATA_LEN	UInt	0	False	False	False	False	False		For internal use only
SAVED_MB_MODE	USInt	0	False	False	False	False	False		For internal use only
Connection_ID	Word	16#0	False	True	True	True	False		For internal use only
Retries	Word	3	False	True	True	True	False		Number of retries that the client will attempt before returning a no response error
▼ TEMP_DATA	Array[1..263] of Byte		False	True	False	True	False		For internal use only
TEMP_DATA[1]	Byte	16#0	False	True	False	True	False		For internal use only







Totally Integrated Automation Portal									
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
TEMP_DATA[227]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[228]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[229]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[230]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[231]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[232]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[233]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[234]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[235]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[236]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[237]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[238]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[239]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[240]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[241]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[242]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[243]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[244]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[245]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[246]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[247]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[248]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[249]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[250]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[251]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[252]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[253]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[254]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[255]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[256]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[257]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[258]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[259]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[260]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[261]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[262]	Byte	16#0	False	True	False	True	False		For internal use only
TEMP_DATA[263]	Byte	16#0	False	True	False	True	False		For internal use only
▼ rvc_timer	TON_TIME		False	False	False	False	True		For internal use only
PT	Time	T#0ms	False	False	False	False	False		
ET	Time	T#0ms	False	False	False	False	False		
IN	Bool	false	False	False	False	False	False		
Q	Bool	false	False	False	False	False	False		
▼ wd_timer	TON_TIME		False	False	False	False	True		For internal use only
PT	Time	T#0ms	False	False	False	False	False		
ET	Time	T#0ms	False	False	False	False	False		
IN	Bool	false	False	False	False	False	False		
Q	Bool	false	False	False	False	False	False		
Connected	Bool	false	False	True	True	True	False		Connection state
Active	Bool	false	False	True	False	True	False		This call is the active instance

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Counter\_0\_DB\_1 [DB15]

#### IEC\_Counter\_0\_DB\_1 Properties

##### General

Name	IEC_Counter_0_DB_1	Number	15	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	CNTR				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
CU	Bool	false	True	True	True	True	False		
CD	Bool	false	True	True	True	True	False		
R	Bool	false	True	True	True	True	False		
LD	Bool	false	True	True	True	True	False		
QU	Bool	false	True	True	True	True	False		
QD	Bool	false	True	True	True	True	False		
PV	Int	0	True	True	True	True	False		
CV	Int	0	True	True	True	True	False		

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_4 [DB17]

#### IEC\_Timer\_0\_DB\_4 Properties

##### General

Name	IEC_Timer_0_DB_4	Number	17	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_5 [DB18]

#### IEC\_Timer\_0\_DB\_5 Properties

##### General

Name	IEC_Timer_0_DB_5	Number	18	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_6 [DB20]

#### IEC\_Timer\_0\_DB\_6 Properties

##### General

Name	IEC_Timer_0_DB_6	Number	20	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_7 [DB24]

#### IEC\_Timer\_0\_DB\_7 Properties

##### General

Name	IEC_Timer_0_DB_7	Number	24	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_8 [DB25]

#### IEC\_Timer\_0\_DB\_8 Properties

##### General

Name	IEC_Timer_0_DB_8	Number	25	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_9 [DB26]

#### IEC\_Timer\_0\_DB\_9 Properties

##### General

Name	IEC_Timer_0_DB_9	Number	26	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_1 [DB14]

#### IEC\_Timer\_0\_DB\_1 Properties

##### General

Name	IEC_Timer_0_DB_1	Number	14	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_11 [DB29]

#### IEC\_Timer\_0\_DB\_11 Properties

##### General

Name	IEC_Timer_0_DB_11	Number	29	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_16 [DB33]

#### IEC\_Timer\_0\_DB\_16 Properties

##### General

Name	IEC_Timer_0_DB_16	Number	33	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_10 [DB27]

#### IEC\_Timer\_0\_DB\_10 Properties

##### General

Name	IEC_Timer_0_DB_10	Number	27	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_12 [DB28]

#### IEC\_Timer\_0\_DB\_12 Properties

##### General

Name	IEC_Timer_0_DB_12	Number	28	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_17 [DB34]

#### IEC\_Timer\_0\_DB\_17 Properties

##### General

Name	IEC_Timer_0_DB_17	Number	34	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_18 [DB35]

#### IEC\_Timer\_0\_DB\_18 Properties

##### General

Name	IEC_Timer_0_DB_18	Number	35	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_19 [DB36]

#### IEC\_Timer\_0\_DB\_19 Properties

##### General

Name	IEC_Timer_0_DB_19	Number	36	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_14 [DB31]

#### IEC\_Timer\_0\_DB\_14 Properties

##### General

Name	IEC_Timer_0_DB_14	Number	31	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_13 [DB30]

#### IEC\_Timer\_0\_DB\_13 Properties

##### General

Name	IEC_Timer_0_DB_13	Number	30	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_15 [DB32]

#### IEC\_Timer\_0\_DB\_15 Properties

##### General

Name	IEC_Timer_0_DB_15	Number	32	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_20 [DB37]

#### IEC\_Timer\_0\_DB\_20 Properties

##### General

Name	IEC_Timer_0_DB_20	Number	37	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_21 [DB38]

#### IEC\_Timer\_0\_DB\_21 Properties

##### General

Name	IEC_Timer_0_DB_21	Number	38	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_22 [DB39]

#### IEC\_Timer\_0\_DB\_22 Properties

##### General

Name	IEC_Timer_0_DB_22	Number	39	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / Program resources

### IEC\_Timer\_0\_DB\_23 [DB40]

#### IEC\_Timer\_0\_DB\_23 Properties

##### General

Name	IEC_Timer_0_DB_23	Number	40	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	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Static</b>									
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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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### RTG1SysInfo [DB30000]

RTG1SysInfo Properties										
General										
Name	RTG1SysInfo	Number	30000	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	SafeSys	Comment			Family	F_CTRL		
Version	2.2	User-defined ID	F_CTRL_1							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
Input										
▼ Output										
MODE	Bool	false	False	True	True	True	False		1 = deactivated safety mode	
▼ F_SYSINFO	F_SYSINFO		False	True	True	True	False		F-Runtime group information	
MODE	Bool	false	False	True	True	True	False		1 = deactivated safety mode	
TCYC_CURR	DInt	0	False	True	True	True	False		current cycle time of the F-Runtime group in ms	
TCYC_LONG	DInt	0	False	True	True	True	False		longest cycle time of the F-Runtime group in ms	
TRTG_CURR	DInt	0	False	True	True	True	False		current runtime of the F-Runtime group in ms	
TRTG_LONG	DInt	0	False	True	True	True	False		longest runtime of the F-Runtime group in ms	
T1RTG_CURR	DInt	0	False	True	True	True	False		current runtime in ms for further use	
T1RTG_LONG	DInt	0	False	True	True	True	False		longest runtime in ms for further use	
F_PROG_SIG	DWord	DW#16#7E27EFB2	False	True	True	True	False		Collective F-signature of the safety program	
▼ F_PROG_DAT	DTL	DTL#2019-11-26-21:59:21.7 03797300	False	True	True	True	False		Compilation date of the safety program	
YEAR	UInt	2019	False	True	True	True	False			
MONTH	USInt	11	False	True	True	True	False			
DAY	USInt	26	False	True	True	True	False			
WEEKDAY	USInt	3	False	True	True	True	False			
HOUR	USInt	21	False	True	True	True	False			
MINUTE	USInt	59	False	True	True	True	False			
SECOND	USInt	21	False	True	True	True	False			
NANOSECOND	UDInt	703797300	False	True	True	True	False			
F_RTG_SIG	DWord	DW#16#A33375AC	False	True	True	True	False		Collective F-signature of the F-Runtime group	
▼ F_RTG_DAT	DTL	DTL#2019-11-26-21:59:21.7 03797300	False	True	True	True	False		Compilation date of the F-Runtime group	
YEAR	UInt	2019	False	True	True	True	False			
MONTH	USInt	11	False	True	True	True	False			
DAY	USInt	26	False	True	True	True	False			
WEEKDAY	USInt	3	False	True	True	True	False			
HOUR	USInt	21	False	True	True	True	False			
MINUTE	USInt	59	False	True	True	True	False			
SECOND	USInt	21	False	True	True	True	False			
NANOSECOND	UDInt	703797300	False	True	True	True	False			
VERS_S7SAF	DWord	DW#16#15010000	False	True	True	True	False		Version label of STEP 7 Safety	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_SystemInfo\_DB [DB30001]

#### F\_SystemInfo\_DB Properties

##### General

Name	F_SystemInfo_DB	Number	30001	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	F_GLOBDB				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
<b>▼ Static</b>									
FCCValue	DWord	16#0	False	True	True	True	False		

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_ACK\_GL [FB219]

#### F\_ACK\_GL Properties

##### General

Name	F_ACK_GL	Number	219	Type	FB	Language	FBD
Numbering	Automatic						

##### Information

Title	F_: Global acknowledgement of all F-I/Os in an F-Runtime group	Author	Safety	Comment		Family	F_FUNC
Version	1.0	User-defined ID	F_ACK_GL				

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
ACK_GLOB	Bool	false	Non-retain	True	True	True	False		1=acknowledgment for reintegration
Output									
InOut									
Static									

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### ACK\_GL\_DB [DB6]

ACK_GL_DB Properties										
General										
Name	ACK_GL_DB	Number	6	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment				Family	F_FUNC	
Version	1.0	User-defined ID	F_ACK_GL							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment	
▼ Input										
ACK_GLOB	Bool	false	False	True	True	True	False			1=acknowledgment for reintegration
Output										
InOut										
Static										

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

FESTOP1 [FB215]

F\_ESTOP1 Properties

## General

Name	F_ESTOP1	Number	215	Type	FB	Language	FBD
Numbering	Automatic						

## Numbering Information

Information								
Title	F_: Emergency STOP up to stop category 1	Author	Safety	Comment		Family	F_FUNC	
Version	1.1	User-defined ID	F_ESTOP1					

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### ESTOP1\_DB [DB7]

ESTOP1_DB Properties										
General										
Name	ESTOP1_DB	Number	7	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment			Family	F_FUNC		
Version	1.1	User-defined ID	F_ESTOP1							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
E_STOP	Bool	false	False	True	True	True	False		Emergency STOP	
ACK_NECK	Bool	true	False	True	True	True	False		1=Acknowledgment necessary	
ACK	Bool	false	False	True	True	True	False		1=Acknowledgment	
TIME_DELAY	Time	0	False	True	True	True	False		Time delay	
▼ Output										
Q	Bool	false	False	True	True	True	False		1=Enable	
Q_DELAY	Bool	false	False	True	True	True	False		Enable is OFF delayed	
ACK_REQ	Bool	false	False	True	True	True	False		1=acknowledgment request	
DIAG	Byte	B#16#00	False	True	True	True	False		Service information	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### ESTOP1\_DB\_1 [DB23]

ESTOP1_DB_1 Properties										
General										
Name	ESTOP1_DB_1	Number	23	Type	DB	Language	DB			
Numbering	Automatic									
Information										
Title		Author	Safety	Comment				Family	F_FUNC	
Version	1.1	User-defined ID	F_ESTOP1							
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	
▼ Input										
E_STOP	Bool	false	False	True	True	True	False		Emergency STOP	
ACK_NECK	Bool	true	False	True	True	True	False		1=Acknowledgment necessary	
ACK	Bool	false	False	True	True	True	False		1=Acknowledgment	
TIME_DELAY	Time	0	False	True	True	True	False		Time delay	
▼ Output										
Q	Bool	false	False	True	True	True	False		1=Enable	
Q_DELAY	Bool	false	False	True	True	True	False		Enable is OFF delayed	
ACK_REQ	Bool	false	False	True	True	True	False		1=acknowledgment request	
DIAG	Byte	B#16#00	False	True	True	True	False		Service information	
InOut										
Static										

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_TP [FB184]

F_TP Properties											
General											
Name	F_TP	Number	184	Type	FB	Language	FBD				
Numbering	Automatic										
Information											
Title	F_: Generate pulse	Author	Safety	Comment		Family	IEC_TC				
Version	1.1	User-defined ID	F_TP								
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment		
▼ Input											
IN	Bool	false	Non-retain	True	True	True	False				Start input
PT	Time	T#0ms	Non-retain	True	True	True	False				Duration of the pulse, must be positive
▼ Output											
Q	Bool	false	Non-retain	True	True	True	False				Pulse output
ET	Time	T#0ms	Non-retain	True	True	True	False				Current time value
InOut											
Static											

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_IEC\_Timer\_DB [DB10]

#### F\_IEC\_Timer\_DB Properties

##### General

Name	F_IEC_Timer_DB	Number	10	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_IEC\_Timer\_DB\_3 [DB13]

#### F\_IEC\_Timer\_DB\_3 Properties

##### General

Name	F_IEC_Timer_DB_3	Number	13	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

### F\_IEC\_Timer\_DB\_1 [DB16]

#### F\_IEC\_Timer\_DB\_1 Properties

##### General

Name	F_IEC_Timer_DB_1	Number	16	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	IEC_TC
Version	1.1	User-defined ID	F_TP				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
<b>▼ Input</b>									
IN	Bool	false	False	True	True	True	False		Start input
PT	Time	T#0ms	False	True	True	True	False		Duration of the pulse, must be positive
<b>▼ Output</b>									
Q	Bool	false	False	True	True	True	False		Pulse output
ET	Time	T#0ms	False	True	True	True	False		Current time value
InOut									
Static									

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

F\_CTRL\_1 [FB32767]

F\_CTRL\_1 Properties

## General

Name	F_CTRL_1	Number	32767	Type	FB	Language	SCL
Numbering	Automatic						

## Title

Title	F_CTRLE: Cycle Control and Mode	Author	Suresys	Comment		Family	F_CTRLE
Version	2.2	User-defined ID	F_CTRL_1				

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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																																																																																																																																	
<b>F_PS_IN_2_0_0_0_0_0_0_2_1_0_1_21 [FB32768]</b>																																																																																																																																																																	
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

F\_PS\_SEEDPASS\_RCV [FB32782]

## F\_PS\_SEEDPASS\_RCV Properties

## General

Name	F_PS_SEEDPASS_RCV	Number	32782	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

Information	F_ : Module Driver Block Re-	Author	SafeSys	Comment		Family	F_DRIVER
Title	F_ : Module Driver Block Re-	Author	SafeSys	Comment		Family	F_DRIVER

1

	colextension up to 13 Bytes					
Version	2.1	User-defined ID	E	SEPA	R	

Version	2.1	User-defined ID	F_SIFTA_N
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## F\_PS\_SEEDPASS\_SEND [FB32770]

## F\_PS\_SEEDPASS\_SEND Properties

## General

Name	F_PS_SEEDPASS_SEND	Number	32770	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

1

	colextension up to 13 Bytes				
Version	2.0	User-defined ID	F_SEPA_S		

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## F\_8BOOL\_INPUT\_NC [FB32779]

## F\_8BOOL\_INPUT\_NC Properties

## General

Name	F_8BOOL_INPUT_NC	Number	32779	Type	FB	Language	SCL
Description	Automation						

## Numbering

Information		Title		F : Channel Driver Block 8		Author		SafeSys		Comment				Family		F_DRIVER	
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Title

Variable	2.0	High	Low	HP	E-SPINNING
CCSE Input Net channels granular					

Version 2.0 User-defined ID F\_8BINNC

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
FB1\_C [FB32771]

## FB1\_C Properties

## General

Name	FB1_C	Number	32771	Type	FB	Language	SCL
Numbering	Automatic						

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	FCOB				

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SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks																																																				
DB1_C [DB30003]																																																				
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Name	DB1_C	Number	30003	Type	DB	Language	DB																																													
Numbering	Automatic																																																			
Information																																																				
Title		Author		Comment		Family																																														
Version	0.1	User-defined ID	FCDI																																																	
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
F\_CTRL\_D [FB32773]

## F\_CTRL\_D Properties

## General

Name	F_CTRL_D	Number	32773	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

Information	F_	cyclic calculation of D-	Author	SafeSys	Comment		Family	F_CTRL
Title	F_	cyclic calculation of D-	Author	SafeSys	Comment		Family	F_CTRL

1

Version	1.2	User-defined ID	F_CTRL_D
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Name	Data type	Default value	Retain	Accessible	Writ-	Visible in	Setpoint	Supervi-	Comment
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
**FB32773\_IDB\_C [DB30004]**

**FB32773\_IDB\_C Properties**

**General**

Name	FB32773_IDB_C	Number	30004	Type	DB	Language	DB
Numbering	Automatic						

**Information**

Title		Author	SafeSys	Comment		Family	F_CTRL
Version	1.2	User-defined ID	F_CTRL_D				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi-sion	Comment
<b>Input</b>									
<b>▼ Output</b>									
InD	Lint	0	False	False	False	False	False		
InOut									
Static									



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<b>FB32774_IDB_C [DB30005]</b>																																																				
FB32774_IDB_C Properties																																																				
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Numbering	Automatic																																																			
Information																																																				
Title		Author	SafeSys	Comment		Family	F_CTRL																																													
Version	1.2	User-defined ID	F_CTRL_2																																																	
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Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;																																																				

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<b>F_ET_LI [FB32775]</b>																																																				
<b>F_ET_LI Properties</b>																																																				
<b>General</b>																																																				
Name	F_ET_LI	Number	32775	Type	FB	Language	SCL																																													
Numbering	Automatic																																																			
<b>Information</b>																																																				
Title	F_: Calculation of Elapsed Time	Author	SafeSys	Comment		Family	F_CTRL																																													
Version	2.0	User-defined ID	F_ET_LI																																																	
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
FB32775\_IDB\_C [DB30006]

## FB32775\_IDB\_C Properties

## General

Name	FB32775_IDB_C	Number	30006	Type	DB	Language	DB
Numbering	Automatic						

## Information

Title		Author	SafeSys	Comment		Family	F_CTRL
Version	2.0	User-defined ID	F_ET_LI				

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Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;



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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																				
<b>FB32776_IDB_C [DB30007]</b>																																																				
FB32776_IDB_C Properties																																																				
General																																																				
Name	FB32776_IDB_C	Number	30007	Type	DB	Language	DB																																													
Numbering	Automatic																																																			
Information																																																				
Title		Author	SafeSys	Comment		Family	F_CTRL																																													
Version	1.0	User-defined ID	F_CTRLRT																																																	
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Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;																																																				

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## FOB\_GLOBAL\_1 [FC32767]

## FOB\_GLOBAL\_1 Properties

## General

Name	FOB_GLOBAL_1	Number	32767	Type	FC	Language	SCL
Numbering	Automatic						

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Comment
Input			
Output			
InOut			
▼ Return			
FOB_GLOBAL_1	Void		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

### F\_JL\_CORR [FC32768]

#### F\_JL\_CORR Properties

##### General

Name	F_JL_CORR	Number	32768	Type	FC	Language	SCL
Numbering	Automatic						

##### Information

Title	F_: Jmp label / Loop - global correction implementation	Author	SafeSys	Comment		Family	F_SYSINS
Version	1.0	User-defined ID	F_JLCORR				

Name	Data type	Default value	Comment
<b>▼ Input</b>			
dnDB_NR_GCTX	DInt		
dnBIT_OFFSET_GCTX	DInt		
dnDB_LEN_GCTX	DInt		
InD_CORR	LInt		
<b>Output</b>			
<b>InOut</b>			
<b>▼ Return</b>			
Ret_Val	Void		

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## **FOB\_RTG1\_GCTX\_DB [DB30008]**

FOB\_RTG1\_GCTX\_DB Properties

## General

Name	FOB_RTG1_GCTX_DB	Number	30008	Type	DB	Language	DB
Numbering	Automatic						

## Numbering Information

Information								
Title		Author		Comment		Family		
Version	0.1	User-defined ID	F_GLOBDB					

1000

Name	Data type	Start value	Retain	Accessible from	Writable	Visible in HMI engi-	Setpoint	Supervision	Comment
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
FB1\_C\_GCTX\_DB [DB30009]

## FB1\_C\_GCTX\_DB Properties

## General

Name	FB1_C_GCTX_DB	Number	30009	Type	DB	Language	DB
Name	Automation	Number	30010	Type	DB	Language	DB

## Numbering

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	F_GLOBDB				

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Totally Integrated Automation Portal							
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>							
<b>SPLIT_FOB_1_1 [FC32769]</b>							
<b>SPLIT_FOB_1_1 Properties</b>							
<b>General</b>							
Name	SPLIT_FOB_1_1	Number	32769	Type	FC	Language	SCL
Numbering	Automatic						
<b>Information</b>							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					
<b>Inputs/Outputs</b>							
Name	Data type	Default value	Comment				
Input							
Output							
InOut							
▼ Return							
SPLIT_FOB_1_1	Void						

Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

FGACK\_GL [FB32784]

## FGACK\_GL Properties

## General

Name	FGACK_GL	Number	32784	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

Title		Author	Safety	Comment		Family	F_IMAGE
Version	1.0	User-defined ID	FGACK_GL				

1

Totally Integrated Automation Portal																																																				
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																				
<b>FGESTOP1 [FB32785]</b>																																																				
<b>FGESTOP1 Properties</b>																																																				
<b>General</b>																																																				
Name	FGESTOP1	Number	32785	Type	FB	Language	SCL																																													
Numbering	Automatic																																																			
<b>Information</b>																																																				
Title		Author	Safety	Comment		Family	F_IMAGE																																													
Version	1.0	User-defined ID	FGESTOP1																																																	
<table border="1"> <thead> <tr> <th>Name</th><th>Data type</th><th>Default value</th><th>Retain</th><th>Accessible from HMI/OPC UA</th><th>Writable from HMI/OPC UA</th><th>Visible in HMI engineering</th><th>Setpoint</th><th>Supervision</th><th>Comment</th></tr> </thead> <tbody> <tr> <td>Input</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Output</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>InOut</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Static</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	Input										Output										InOut										Static									
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment																																											
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## DB6\_C [DB30012]

### DB6\_C Properties

#### General

Name	DB6_C	Number	30012	Type	DB	Language	DB
Numbering	Automatic						

#### Information

Title		Author	Safety	Comment		Family	F_IMAGE
Version	1.0	User-defined ID	FGACK_GL				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Input									
Output									
InOut									
Static									

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

### DB7\_C [DB30013]

#### DB7\_C Properties

##### General

Name	DB7_C	Number	30013	Type	DB	Language	DB
Numbering	Automatic						

##### Information

Title		Author	Safety	Comment		Family	F_IMAGE
Version	1.0	User-defined ID	FGESTOP1				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi-sion	Comment
Input									
Output									
InOut									
Static									

Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
**FGACK\_GL\_GCTX\_DB [DB30015]**

**FGACK\_GL\_GCTX\_DB Properties**

**General**

Name	FGACK_GL_GCTX_DB	Number	30015	Type	DB	Language	DB
Numbering	Automatic						

**Information**

Title		Author		Comment		Family	
Version	0.1	User-defined ID	F_GLOBDB				

Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writ-able from HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi-sion	Comment
Static									

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Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## FGESTOP1\_GCTX\_DB [DB30016]

FGESTOP1\_GCTX\_DB Properties

## General

Name	FGESTOP1_GCTX_DB	Number	30016	Type	DB	Language	DB
Numbering	Automatic						

## Numbering Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	F_GLOBDB				

## ANSWER

Name	Data type	Start value	Retain	Accessible	Writable	Visible in	Setpoint	Supervi-	Comment
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Table 1. Summary of the main characteristics of the three groups of patients.

Totally Integrated Automation Portal																																																				
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																				
<b>FB29000_C [FB32769]</b>																																																				
<b>FB29000_C Properties</b>																																																				
<b>General</b>																																																				
Name	FB29000_C	Number	32769	Type	FB	Language	SCL																																													
Numbering	Automatic																																																			
<b>Information</b>																																																				
Title		Author		Comment		Family																																														
Version	0.1	User-defined ID	FCOB																																																	
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Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
FB29010\_C [FB32778]

FB29010\_C Properties

## General

Name	FB29010_C	Number	32778	Type	FB	Language	SCL
Numbering	Automatic				<th></th> <td></td>		

## Numbering Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	FCOB				

1000

Name	Data type	Default value	Retain	Accessible	Writable	Visible in	Setpoint	Supervision	Comment
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Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
F\_PSV2\_13\_RCV [FB32777]

F\_PSV2\_13\_RCV Properties

## General

Name	F_PSV2_13_RCV	Number	32777	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

Title	F_ : Module Driver Block Re- quest	Author	SafeSys	Comment		Family	F_DRIVER
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1

Bytes						
Version	2.1	User-defined ID	F_V2_13R			

Name	Date type	Default value	Retain	Accessible	Write	Visible in	Setpoint	Supervi.	Comment
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Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## F\_PS\_INOUT\_S\_2\_0\_0\_0\_0\_0\_1\_1\_0\_0\_0\_21 [FB32780]

F\_PS\_INOUT\_S\_2\_0\_0\_0\_0\_0\_1\_1\_0\_0\_0\_0\_21 Properties

## General

Name	F_PS_IN-OUT_S_2_0_0_0_0_0_1_1_0_0_21	Number	32780	Type	FB	Language	SCL
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**Numbering** Automatic

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																				
<b>SH_F00011_PROFIsafe_telegam_30 [DB30011]</b>																																																				
SH_F00011_PROFIsafe_telegam_30 Properties																																																				
<b>General</b>																																																				
Name	SH_F00011_PROFIsafe_telegam_30	Number	30011	Type	DB	Language	DB																																													
Numbering	Automatic																																																			
<b>Information</b>																																																				
Title		Author		Comment		Family																																														
Version	0.1	User-defined ID	FDRI																																																	
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
F\_PSV2\_13\_SEND [FB32781]

## F\_PSV2\_13\_SEND Properties

## General

Name	F_PSV2_13_SEND	Number	32781	Type	FB	Language	SCL
Numbering	Automatic						

## Numbering Information

Title	F_ : Module Driver Block	Author	SafeSys	Comment		Family	F_DRIVER
Driver for I2C Bus	I2C	SafeSys					

1

Bytes						
Version	2.0	User-defined ID	F_V2_13S			

Name	Date type	Default value	Retain	Accessible	Write	Visible in	Setpoint	Supervi.	Comment
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Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

## F\_8BOOL\_OUTPUT\_NC [FB32786]

## F\_8BOOL\_OUTPUT\_NC Properties

## General

Name	F_8BOOL_OUTPUT_NC	Number	32786	Type	FB	Language	SCL
Description	Automation						

## Numbering

Information								
Title	F : Channel Driver Block 8	Author	SafeSys	Comment			Family	F_DRIVER

11

granular				
Varicose	2-3	Hypertrophic	HD	E-GROWING

Version 2.0 User-defined ID F\_8BOUNC

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks

DB9\_C [DB30017]

DB9\_C Properties

## General

Name	DB9_C	Number	30017	Type	DB	Language	DB
Numbering	Automatic						

## Numbering Information

Information				
Title		Author		Comment
Version	0.1	User-defined ID	FCDI	

Totally Integrated Automation Portal																						
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																						
<b>FB29000_C_GCTX_DB [DB30018]</b>																						
<b>FB29000_C_GCTX_DB Properties</b>																						
<b>General</b>																						
Name	FB29000_C_GCTX_DB	Number	30018	Type	DB	Language	DB															
Numbering	Automatic																					
<b>Information</b>																						
Title		Author		Comment		Family																
Version	0.1	User-defined ID	F_GLOBDB																			
<table border="1"> <thead> <tr> <th>Name</th><th>Data type</th><th>Start value</th><th>Retain</th><th>Accessible from HMI/OPC UA</th><th>Writable from HMI/OPC UA</th><th>Visible in HMI engineering</th><th>Setpoint</th><th>Supervision</th><th>Comment</th></tr> </thead> <tbody> <tr> <td>Static</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment	Static									
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Static																						



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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
DB22\_C [DB30020]

## DB22\_C Properties

## General

<b>Name</b>	DB22_C	<b>Number</b>	30020	<b>Type</b>	DB	<b>Language</b>	DB
<b>Numbering</b>	Automatic						

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	FCDI				

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
**DB23\_C [DB30022]**

DB23_C Properties									
General									
Name	DB23_C	Number	30022	Type	DB	Language	DB		
Numbering	Automatic								
Information									
Title		Author	Safety	Comment		Family	F_IMAGE		
Version	1.0	User-defined ID	FGESTOP1						
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
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Output									
InOut									
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<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks</b>																																																				
<b>FGTP [FB32783]</b>																																																				
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Name	FGTP	Number	32783	Type	FB	Language	SCL																																													
Numbering	Automatic																																																			
<b>Information</b>																																																				
Title		Author	Safety	Comment		Family	F_IMAGE																																													
Version	1.0	User-defined ID	FGTP																																																	
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DB10_C [DB30014]																																																				
DB10_C Properties																																																				
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Name	DB10_C	Number	30014	Type	DB	Language	DB																																													
Numbering	Automatic																																																			
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Title		Author	Safety	Comment		Family	F_IMAGE																																													
Version	1.0	User-defined ID	FGTP																																																	
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InOut																																																				
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Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;																																																				

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
FGTP\_GCTX\_DB [DB30021]

## FGTP\_GCTX\_DB Properties

## General

Name	FGTP_GCTX_DB	Number	30021	Type	DB	Language	DB
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## Numbering

## Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID	F_GLOBDB				

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
DB13\_C [DB30023]

DB13\_C Properties

## General

Name	DB13_C	Number	30023	Type	DB	Language	DB
Numbering	Automatic						

## Information

Title		Author	Safety	Comment		Family	F_IMAGE
Version	1.0	User-defined ID	FGTP				

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Safety information: 7E27EFB2 Consistent; STEP 7 Safety V15.1;

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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / Compiler blocks  
**DB16\_C [DB30024]**

DB16_C Properties									
General									
Name	DB16_C	Number	30024	Type	DB	Language	DB		
Numbering	Automatic								
Information									
Title		Author	Safety	Comment		Family	F_IMAGE		
Version	1.0	User-defined ID	FGTP						
Name	Data type	Start value	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Supervision	Comment
Input									
Output									
InOut									
Static									

Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / F-I/O data blocks

F00002\_F-DI16x24VDC\_1 [DB30002]

F00002\_F-DI16x24VDC\_1 Properties

## General

Name	F00002_F-DI16x24VDC_1	Number	30002	Type	DB	Language	DB
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## Numbering

Information					
Title		Author		Comment	
Version	0.1	User-defined ID	FDRI		Family

Totally Integrated Automation Portal																																																																																																																																																																		
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety / F-I/O data blocks</b>																																																																																																																																																																		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Program blocks / System blocks / STEP 7 Safety

**F-communication DBs**

This folder is empty.

## SeniorProject / PLC\_1 [CPU 1511F-1 PN]

### Technology objects

This folder is empty.

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Main [99]

### PLC tags

PLC tags									
	Name	Data type	Address	Retain	Accessi-ble from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engi-neering	Supervision	Comment
1	Home_Sensor	Bool	%I0.7	False	True	True	True		
1	Bay_sensor	Bool	%I0.6	False	True	True	True		
1	Start	Bool	%I0.2	False	True	True	True		
1	Stop	Bool	%I0.3	False	True	True	True		
1	Reset	Bool	%I0.5	False	True	True	True		
1	Process Running	Bool	%M1.0	False	True	True	True		
1	hmi_start	Bool	%M1.1	False	True	True	True		
1	hmi_stop	Bool	%M1.2	False	True	True	True		
1	Reset Protocol	Bool	%M4.0	False	True	True	True		
1	End Sequence	Bool	%M4.1	False	True	True	True		
1	hmi_reset	Bool	%M1.3	False	True	True	True		
1	cont	Bool	%M1.4	False	True	True	True		
1	pause	Bool	%M1.5	False	True	True	True		
1	Clock_BytE	Byte	%MB10	False	True	True	True		
1	Clock_10Hz	Bool	%M10.0	False	True	True	True		
1	Clock_5Hz	Bool	%M10.1	False	True	True	True		
1	Clock_2.5Hz	Bool	%M10.2	False	True	True	True		
1	Clock_2Hz	Bool	%M10.3	False	True	True	True		
1	Clock_1.25Hz	Bool	%M10.4	False	True	True	True		
1	Clock_1Hz	Bool	%M10.5	False	True	True	True		
1	Clock_0.625Hz	Bool	%M10.6	False	True	True	True		
1	Clock_0.5Hz	Bool	%M10.7	False	True	True	True		
1	SAF_RESET	Bool	%M11.0	False	True	True	True		
1	Red	Bool	%Q1.4	False	True	True	True		
1	Yellow	Bool	%Q1.5	False	True	True	True		
1	Green	Bool	%Q1.6	False	True	True	True		
1	Siren	Bool	%Q1.7	False	True	True	True		
1	Release	Bool	%M11.1	False	True	True	True		
1	BayCountPP	Bool	%M11.2	False	True	True	True		
1	HomeCountPP	Bool	%M11.3	False	True	True	True		
1	DebouncedBay	Bool	%M11.4	False	True	True	True		
1	GoBack	Bool	%M11.5	False	True	True	True		
1	Revert	Bool	%M11.6	False	True	True	True		
1	BayCountB	Bool	%M11.7	False	True	True	True		
1	BWait_0	Bool	%M12.0	False	True	True	True		
1	BWait_1	Bool	%M12.1	False	True	True	True		
1	BWait_3	Bool	%M12.2	False	True	True	True		
1	BWait_4	Bool	%M12.3	False	True	True	True		
1	BWait_5	Bool	%M12.4	False	True	True	True		
1	BWait_6	Bool	%M12.5	False	True	True	True		
1	BWait_7	Bool	%M12.6	False	True	True	True		

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[SeniorProject / PLC\\_1 \[CPU 1511F-1 PN\] / PLC tags / Main \[99\]](#)**User constants**

User constants			
Name	Data type	Value	Comment

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Drive Table [14]

### PLC tags

PLC tags									
	Name	Data type	Address	Retain	Accessi-ble from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engi-neering	Supervision	Comment
1	Drive On	Bool	%M0.0	False	True	True	True		
2	Motor On	Bool	%M0.1	False	True	True	True		
3	Reverse	Bool	%M0.2	False	True	True	True		
4	Jog Forward	Bool	%M0.3	False	True	True	True		
5	Jog Back	Bool	%M0.4	False	True	True	True		
6	Ack Err	Bool	%M0.5	False	True	True	True		
7	hmi_drive_on	Bool	%M0.6	False	True	True	True		
8	hmi_motor_on	Bool	%M0.7	False	True	True	True		
9	hmi_ack_err	Bool	%M1.6	False	True	True	True		
10	hmi_reverse	Bool	%M1.7	False	True	True	True		
11	clockwise	Bool	%M5.4	False	True	True	True		
12	counterclockwise	Bool	%M5.5	False	True	True	True		
13	Go_Home	Bool	%M5.6	False	True	True	True		
14	VFD_ON	Bool	%M5.7	False	True	True	True		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Drive Table [14]

### User constants

User constants			
Name	Data type	Value	Comment

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / ModBus [7]

### PLC tags

PLC tags									
	Name	Data type	Address	Retain	Accessi-ble from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engi-neering	Supervision	Comment
1	StopMB	Bool	%M9.0	False	True	True	True		
2	ForwardMB	Bool	%M9.1	False	True	True	True		
3	ReverseMB	Bool	%M9.2	False	True	True	True		
4	JogMB	Bool	%M9.3	False	True	True	True		
5	RunMB	Bool	%M9.4	False	True	True	True		
6	Fdir	Bool	%M9.5	False	True	True	True		
7	Rdir	Bool	%M9.6	False	True	True	True		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / ModBus [7]

### User constants

User constants			
Name	Data type	Value	Comment

Totally Integrated Automation Portal																																																																																																																																																																																																																																																														
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<tr><td>Dispenser_6</td><td>Bool</td><td>%Q1.3</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_1</td><td>Bool</td><td>%I0.0</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_2</td><td>Bool</td><td>%I0.1</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_3</td><td>Bool</td><td>%I1.1</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_4</td><td>Bool</td><td>%I1.2</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_5</td><td>Bool</td><td>%I0.4</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_6</td><td>Bool</td><td>%I1.6</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Extension_Sensor_7</td><td>Bool</td><td>%I1.3</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_M</td><td>Bool</td><td>%M3.0</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_T</td><td>Bool</td><td>%M3.1</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_B</td><td>Bool</td><td>%M3.2</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_Tr</td><td>Bool</td><td>%M3.3</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_BB</td><td>Bool</td><td>%M3.4</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>hmi_Activate_Dis_6</td><td>Bool</td><td>%M3.5</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Dispence_Left_Tread</td><td>Bool</td><td>%M4.2</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Dispense_Right_Tread</td><td>Bool</td><td>%M4.3</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Spacer_M_Removal</td><td>Bool</td><td>%M4.4</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Spacer_T_Removal</td><td>Bool</td><td>%M4.5</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Dispense_M</td><td>Bool</td><td>%M4.6</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Dispense_T</td><td>Bool</td><td>%M4.7</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> <tr><td>Dispense_B</td><td>Bool</td><td>%M5.2</td><td>False</td><td>True</td><td>True</td><td>True</td><td></td><td></td></tr> 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Extension_Sensor_2	Bool	%I0.1	False	True	True	True																																																																																																																																																																																																																																																								
Extension_Sensor_3	Bool	%I1.1	False	True	True	True																																																																																																																																																																																																																																																								
Extension_Sensor_4	Bool	%I1.2	False	True	True	True																																																																																																																																																																																																																																																								
Extension_Sensor_5	Bool	%I0.4	False	True	True	True																																																																																																																																																																																																																																																								
Extension_Sensor_6	Bool	%I1.6	False	True	True	True																																																																																																																																																																																																																																																								
Extension_Sensor_7	Bool	%I1.3	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_M	Bool	%M3.0	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_T	Bool	%M3.1	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_B	Bool	%M3.2	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_Tr	Bool	%M3.3	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_BB	Bool	%M3.4	False	True	True	True																																																																																																																																																																																																																																																								
hmi_Activate_Dis_6	Bool	%M3.5	False	True	True	True																																																																																																																																																																																																																																																								
Dispence_Left_Tread	Bool	%M4.2	False	True	True	True																																																																																																																																																																																																																																																								
Dispense_Right_Tread	Bool	%M4.3	False	True	True	True																																																																																																																																																																																																																																																								
Spacer_M_Removal	Bool	%M4.4	False	True	True	True																																																																																																																																																																																																																																																								
Spacer_T_Removal	Bool	%M4.5	False	True	True	True																																																																																																																																																																																																																																																								
Dispense_M	Bool	%M4.6	False	True	True	True																																																																																																																																																																																																																																																								
Dispense_T	Bool	%M4.7	False	True	True	True																																																																																																																																																																																																																																																								
Dispense_B	Bool	%M5.2	False	True	True	True																																																																																																																																																																																																																																																								
Activate_BB	Bool	%M5.3	False	True	True	True																																																																																																																																																																																																																																																								

[SeniorProject / PLC\\_1 \[CPU 1511F-1 PN\] / PLC tags / Pneumatics \[27\]](#)**User constants**

User constants			
Name	Data type	Value	Comment

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Robot [17]

### PLC tags

PLC tags									
	Name	Data type	Address	Retain	Accessi-ble from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engi-neering	Supervision	Comment
1	Servo_On	Bool	%Q0.0	False	True	True	True		
1	Start_Robot	Bool	%Q0.1	False	True	True	True		
1	Reset_Err	Bool	%Q0.2	False	True	True	True		
1	Next	Bool	%Q0.3	False	True	True	True		
1	External_Input_En	Bool	%Q0.4	False	True	True	True		
1	Servo_Off	Bool	%Q0.5	False	True	True	True		
1	Trigger	Bool	%M2.0	False	True	True	True		
1	hmi_servo_on	Bool	%M2.1	False	True	True	True		
1	hmi_kill	Bool	%M2.2	False	True	True	True		
1	hmi_err_reset	Bool	%M2.3	False	True	True	True		
1	hmi_execute	Bool	%M2.4	False	True	True	True		
1	hmi_start_robot	Bool	%M2.5	False	True	True	True		
1	hmi_enable_input	Bool	%M2.6	False	True	True	True		
1	Robot_Ready	Bool	%I1.7	False	True	True	True		
1	enable	Bool	%M2.7	False	True	True	True		
1	go	Bool	%M3.6	False	True	True	True		
1	Run	Bool	%M3.7	False	True	True	True		

**SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Robot [17]****User constants**

User constants			
Name	Data type	Value	Comment

Totally Integrated Automation Portal		
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SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Safety [5]

## PLC tags

PLC tags									
	Name	Data type	Address	Retain	Accessi-ble from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engi-neering	Supervision	Comment
▼ PROFIsafeCtrlDrive	"LDrvSafe_typeSi-naGTlg30Control"	Bool	%Q11.0	False	True	True	True		
	STO	Bool	%Q11.0		Accessible	None	Accessible		Safety Function Safe Torque Off
	SS1	Bool	%Q11.1		Accessible	None	Accessible		Safety Function Safe Stop 1
	reserved1	Bool	%Q11.2		Accessible	None	Accessible		Reserve bit 1
	reserved2	Bool	%Q11.3		Accessible	None	Accessible		Reserve bit 2
	SLS	Bool	%Q11.4		Accessible	None	Accessible		Safety Function Safely-limited Speed
	reserved3	Bool	%Q11.5		Accessible	None	Accessible		Reserve bit 3
	reserved4	Bool	%Q11.6		Accessible	None	Accessible		Reserve bit 4
	internalEventAcknowledge	Bool	%Q11.7		Accessible	None	Accessible		Acknowledge Safety errors in the drive
	reserved5	Bool	%Q12.0		Accessible	None	Accessible		Reserve bit 5
	selectSLSbit0	Bool	%Q12.1		Accessible	None	Accessible		Select one of the the four SLS limits; operates together with bit 1
	selectSLSbit1	Bool	%Q12.2		Accessible	None	Accessible		Select one of the the four SLS limits; operates together with bit 0
	reserved6	Bool	%Q12.3		Accessible	None	Accessible		Reserve bit 6
	SDIpositive	Bool	%Q12.4		Accessible	None	Accessible		Safety Function Safe Direction (positive direction)
	SDInegative	Bool	%Q12.5		Accessible	None	Accessible		Safety Function Safe Direction (negative direction)
	reserved7	Bool	%Q12.6		Accessible	None	Accessible		Reserve bit 7
	reserved8	Bool	%Q12.7		Accessible	None	Accessible		Reserve bit 8
▼ PROFIsafeStatDrive	"LDrvSafe_typeSi-naGTlg30Control"	Bool	%I11.0	False	True	True	True		
	STO	Bool	%I11.0		Accessible	None	Accessible		Safety Function Safe Torque Off
	SS1	Bool	%I11.1		Accessible	None	Accessible		Safety Function Safe Stop 1
	reserved1	Bool	%I11.2		Accessible	None	Accessible		Reserve bit 1
	reserved2	Bool	%I11.3		Accessible	None	Accessible		Reserve bit 2
	SLS	Bool	%I11.4		Accessible	None	Accessible		Safety Function Safely-limited Speed
	reserved3	Bool	%I11.5		Accessible	None	Accessible		Reserve bit 3
	reserved4	Bool	%I11.6		Accessible	None	Accessible		Reserve bit 4
	internalEventAcknowledge	Bool	%I11.7		Accessible	None	Accessible		Acknowledge Safety errors in the drive
	reserved5	Bool	%I12.0		Accessible	None	Accessible		Reserve bit 5
	selectSLSbit0	Bool	%I12.1		Accessible	None	Accessible		Select one of the the four SLS limits; operates together with bit 1
	selectSLSbit1	Bool	%I12.2		Accessible	None	Accessible		Select one of the the four SLS limits; operates together with bit 0
	reserved6	Bool	%I12.3		Accessible	None	Accessible		Reserve bit 6
	SDIpositive	Bool	%I12.4		Accessible	None	Accessible		Safety Function Safe Direction (positive direction)
	SDInegative	Bool	%I12.5		Accessible	None	Accessible		Safety Function Safe Direction (negative direction)
	reserved7	Bool	%I12.6		Accessible	None	Accessible		Reserve bit 7
	reserved8	Bool	%I12.7		Accessible	None	Accessible		Reserve bit 8
▼ IO	"Safety_IO"	Bool	%I4.0	False	True	True	True		
	IO_1	Bool	%I4.0		Accessible	Accessible	Accessible		
	IO_2	Bool	%I4.1		Accessible	Accessible	Accessible		
	IO_3	Bool	%I4.2		Accessible	Accessible	Accessible		
	IO_4	Bool	%I4.3		Accessible	Accessible	Accessible		
	IO_5	Bool	%I4.4		Accessible	Accessible	Accessible		
	IO_6	Bool	%I4.5		Accessible	Accessible	Accessible		
	IO_7	Bool	%I4.6		Accessible	Accessible	Accessible		
	IO_8	Bool	%I4.7		Accessible	Accessible	Accessible		
	IO_9	Bool	%I5.0		Accessible	Accessible	Accessible		
	IO_10	Bool	%I5.1		Accessible	Accessible	Accessible		
	IO_11	Bool	%I5.2		Accessible	Accessible	Accessible		
	SafetyResetYes	Bool	%M5.0	False	True	True	True		
	EmergencyStop	Bool	%M5.1	False	True	True	True		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC tags / Safety [5]

### User constants

User constants			
Name	Data type	Value	Comment

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types

### LDrvSafe\_typeSinaGTlg30Control

LDrvSafe_typeSinaGTlg30Control Properties							
General							
Name	LDrvSafe_typeSinaGTlg30Control	Number	3	Type	UDT	Language	
Numbering Information							
Title	LDrvSafe_typeSinaGTlg30Control	Author		Comment	Failsafe user-defined data type for PROFIsafe telegram 30 to control the Safety Integrated Functions of SINAMICS G	Family	
Version		User-defined ID					
Properties							
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint
STO	Bool		false	True	False	True	False
SS1	Bool		false	True	False	True	False
reserved1	Bool		false	True	False	True	False
reserved2	Bool		false	True	False	True	False
SLS	Bool		false	True	False	True	False
reserved3	Bool		false	True	False	True	False
reserved4	Bool		false	True	False	True	False
internalEventAcknowledge	Bool		false	True	False	True	False
reserved5	Bool		false	True	False	True	False
selectSLSbit0	Bool		false	True	False	True	False
selectSLSbit1	Bool		false	True	False	True	False
reserved6	Bool		false	True	False	True	False
SDIpositive	Bool		false	True	False	True	False
SDInegative	Bool		false	True	False	True	False
reserved7	Bool		false	True	False	True	False
reserved8	Bool		false	True	False	True	False

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types

### LDrvSafe\_typeSinaGTlg30Status

#### LDrvSafe\_typeSinaGTlg30Status Properties

##### General

Name	LDrvSafe_typeSinaGTlg30Status	Number	5	Type	UDT	Language	
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##### Numbering

##### Information

Title	LDrvSafe_typeSinaGTlg30Status	Author		Comment	Failsafe user-defined data type for PROFIsafe telegram 30 to get status information of Safety Integrated Functions of SINAMICS G	Family	
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##### Version

Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
STOactive	Bool		false	True	False	True	False	Safety Function Safe Torque Off active
SS1active	Bool		false	True	False	True	False	Safety Function Safe Stop 1 active
reserved1	Bool		false	True	False	True	False	Reserve bit 1
reserved2	Bool		false	True	False	True	False	Reserve bit 2
SLSactive	Bool		false	True	False	True	False	Safety Function Safely-limited Speed active
reserved3	Bool		false	True	False	True	False	Reserve bit 3
reserved4	Bool		false	True	False	True	False	Reserve bit 4
internalEvent	Bool		false	True	False	True	False	Internal Event occurred (Safety error in SINAMICS)
reserved5	Bool		false	True	False	True	False	Reserve bit 5
SLSbit0Active	Bool		false	True	False	True	False	One of the four SLS limits is active; operates together with bit 1
SLSbit1Active	Bool		false	True	False	True	False	One of the four SLS limits is active; operates together with bit 0
reserved6	Bool		false	True	False	True	False	Reserve bit 6
SDIpositiveActive	Bool		false	True	False	True	False	Safety Function Safe Direction (positive direction) active
SDInegativeActive	Bool		false	True	False	True	False	Safety Function Safe Direction (negative direction) active
reserved7	Bool		false	True	False	True	False	Reserve bit 7
SSMActive	Bool		false	True	False	True	False	Safety Function Safe Speed Monitor; signals, if safe speed is below paramterizable speed limit

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types

### Safety\_IO

#### Safety\_IO Properties

##### General

Name	Safety_IO	Number	1	Type	UDT	Language	
Numbering							
<b>Information</b>							
Title		Author		Comment		Family	
Version		User-defined ID					

Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI	Visible in HMI engineering	Setpoint	Comment
IO_1	Bool		false	True	True	True	False	
IO_2	Bool		false	True	True	True	False	
IO_3	Bool		false	True	True	True	False	
IO_4	Bool		false	True	True	True	False	
IO_5	Bool		false	True	True	True	False	
IO_6	Bool		false	True	True	True	False	
IO_7	Bool		false	True	True	True	False	
IO_8	Bool		false	True	True	True	False	
IO_9	Bool		false	True	True	True	False	
IO_10	Bool		false	True	True	True	False	
IO_11	Bool		false	True	True	True	False	

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### F\_SYSINFO

F_SYSINFO Properties									
General									
Name	F_SYSINFO	Number	34	Type	UDT		Language		
Numbering									
Information									
Title	F_: F_SYSINFO	Author		Comment			Family		
Version		User-defined ID							
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable in HMI engineering	Visible in HMI/OPC UA	Setpoint	Comment	
MODE	Bool		false	True	True	True	False	1 = deactivated safety mode	
TCYC_CURR	DInt		0	True	True	True	False	current cycle time of the F-Runtime group in ms	
TCYC_LONG	DInt		0	True	True	True	False	longest cycle time of the F-Runtime group in ms	
TRTG_CURR	DInt		0	True	True	True	False	current runtime of the F-Runtime group in ms	
TRTG_LONG	DInt		0	True	True	True	False	longest runtime of the F-Runtime group in ms	
T1RTG_CURR	DInt		0	True	True	True	False	current runtime in ms for further use	
T1RTG_LONG	DInt		0	True	True	True	False	longest runtime in ms for further use	
F_PROG_SIG	DWord		16#0	True	True	True	False	Collective F-signature of the safety program	
▼ F_PROG_DAT	DTL		DTL#1970-01-01-00:00:00	True	True	True	False	Compilation date of the safety program	
YEAR	UInt		1970	True	True	True	False		
MONTH	USInt		1	True	True	True	False		
DAY	USInt		1	True	True	True	False		
WEEKDAY	USInt		5	True	True	True	False		
HOUR	USInt		0	True	True	True	False		
MINUTE	USInt		0	True	True	True	False		
SECOND	USInt		0	True	True	True	False		
NANOSECOND	UDInt		0	True	True	True	False		
F_RTG_SIG	DWord		16#0	True	True	True	False	Collective F-signature of the F-Runtime group	
▼ F_RTG_DAT	DTL		DTL#1970-01-01-00:00:00	True	True	True	False	Compilation date of the F-Runtime group	
YEAR	UInt		1970	True	True	True	False		
MONTH	USInt		1	True	True	True	False		
DAY	USInt		1	True	True	True	False		
WEEKDAY	USInt		5	True	True	True	False		
HOUR	USInt		0	True	True	True	False		
MINUTE	USInt		0	True	True	True	False		
SECOND	USInt		0	True	True	True	False		
NANOSECOND	UDInt		0	True	True	True	False		
VERS_S7SAF	DWord		16#0	True	True	True	False	Version label of STEP 7 Safety	

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FCx\_ErrResp

#### TCP\_MB\_FCx\_ErrResp Properties

##### General

Name	TCP_MB_FCx_ErrResp	Number	628	Type	UDT	Language	
Numbering							
Information							
Title	TCP_MB_FCx_ErrResp	Author		Comment		Family	

Version User-defined ID

Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable in HMI	Visible in engineering HMI/OPC UA	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
ECode	Byte		16#0	True	True	True	False	

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FC8\_Req

#### TCP\_MB\_FC8\_Req Properties

##### General

Name	TCP_MB_FC8_Req	Number	624	Type	UDT	Language	
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##### Numbering

##### Information

Title	TCP_MB_FC8_Req	Author		Comment		Family	
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Version	User-defined ID						
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI	Visible in HMI engineering	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
SubFunction	Word		16#0	True	True	True	False	
Data	Word		16#0	True	True	True	False	

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FC11\_Req

#### TCP\_MB\_FC11\_Req Properties

##### General

Name	TCP_MB_FC11_Req	Number	625	Type	UDT	Language	
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##### Numbering

##### Information

Title	TCP_MB_FC11_Req	Author		Comment		Family	
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Version	User-defined ID						
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI	Visible in engineering HMI/OPC UA	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
Status	Word		16#0	True	True	True	False	
EventCount	Word		16#0	True	True	True	False	

Totally Integrated Automation Portal																	
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / PLC data types / System data types</b>																	
<b>TCP_MB_FC15_16_Req</b>																	
<b>TCP_MB_FC15_16_Req Properties</b>																	
<b>General</b>																	
Name	TCP_MB_FC15_16_Req	Number	626	Type	UDT	Language											
Numbering																	
<b>Information</b>																	
Title	TCP_MB_FC15_16_Req	Author		Comment		Family											
Version		User-defined ID															
<b>Name</b>		<b>Data type</b>	<b>Offset</b>	<b>Default value</b>	<b>Accessible from HMI/OPC UA</b>	<b>Writable in HMI engineering</b>	<b>Visible in HMI/OPC UA</b>	<b>Setpoint</b>	<b>Comment</b>								
Transaction_ID	Word		16#0	True	True	True	False										
Protocol_ID	Word		16#0	True	True	True	False										
Length	Word		16#0	True	True	True	False										
Unit_ID	Byte		16#0	True	True	True	False										
FCode	Byte		16#0	True	True	True	False										
StartAddr	Word		16#0	True	True	True	False										
Quantity	Word		16#0	True	True	True	False										
ByteCount	Byte		16#0	True	True	True	False										
Value1	Byte		16#0	True	True	True	False										
▼ Values	Array[0..244] of Byte			True	True	True	False										
Values[0]	Byte		16#0	True	True	True	False										
Values[1]	Byte		16#0	True	True	True	False										
Values[2]	Byte		16#0	True	True	True	False										
Values[3]	Byte		16#0	True	True	True	False										
Values[4]	Byte		16#0	True	True	True	False										
Values[5]	Byte		16#0	True	True	True	False										
Values[6]	Byte		16#0	True	True	True	False										
Values[7]	Byte		16#0	True	True	True	False										
Values[8]	Byte		16#0	True	True	True	False										
Values[9]	Byte		16#0	True	True	True	False										
Values[10]	Byte		16#0	True	True	True	False										
Values[11]	Byte		16#0	True	True	True	False										
Values[12]	Byte		16#0	True	True	True	False										
Values[13]	Byte		16#0	True	True	True	False										
Values[14]	Byte		16#0	True	True	True	False										
Values[15]	Byte		16#0	True	True	True	False										
Values[16]	Byte		16#0	True	True	True	False										
Values[17]	Byte		16#0	True	True	True	False										
Values[18]	Byte		16#0	True	True	True	False										
Values[19]	Byte		16#0	True	True	True	False										
Values[20]	Byte		16#0	True	True	True	False										
Values[21]	Byte		16#0	True	True	True	False										
Values[22]	Byte		16#0	True	True	True	False										
Values[23]	Byte		16#0	True	True	True	False										
Values[24]	Byte		16#0	True	True	True	False										
Values[25]	Byte		16#0	True	True	True	False										
Values[26]	Byte		16#0	True	True	True	False										
Values[27]	Byte		16#0	True	True	True	False										
Values[28]	Byte		16#0	True	True	True	False										
Values[29]	Byte		16#0	True	True	True	False										
Values[30]	Byte		16#0	True	True	True	False										
Values[31]	Byte		16#0	True	True	True	False										
Values[32]	Byte		16#0	True	True	True	False										
Values[33]	Byte		16#0	True	True	True	False										
Values[34]	Byte		16#0	True	True	True	False										
Values[35]	Byte		16#0	True	True	True	False										
Values[36]	Byte		16#0	True	True	True	False										
Values[37]	Byte		16#0	True	True	True	False										
Values[38]	Byte		16#0	True	True	True	False										
Values[39]	Byte		16#0	True	True	True	False										
Values[40]	Byte		16#0	True	True	True	False										
Values[41]	Byte		16#0	True	True	True	False										
Values[42]	Byte		16#0	True	True	True	False										
Values[43]	Byte		16#0	True	True	True	False										
Values[44]	Byte		16#0	True	True	True	False										
Values[45]	Byte		16#0	True	True	True	False										
Values[46]	Byte		16#0	True	True	True	False										
Values[47]	Byte		16#0	True	True	True	False										
Values[48]	Byte		16#0	True	True	True	False										
Values[49]	Byte		16#0	True	True	True	False										
Values[50]	Byte		16#0	True	True	True	False										
Values[51]	Byte		16#0	True	True	True	False										

Totally Integrated Automation Portal								
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
Values[52]	Byte		16#0	True	True	True	False	
Values[53]	Byte		16#0	True	True	True	False	
Values[54]	Byte		16#0	True	True	True	False	
Values[55]	Byte		16#0	True	True	True	False	
Values[56]	Byte		16#0	True	True	True	False	
Values[57]	Byte		16#0	True	True	True	False	
Values[58]	Byte		16#0	True	True	True	False	
Values[59]	Byte		16#0	True	True	True	False	
Values[60]	Byte		16#0	True	True	True	False	
Values[61]	Byte		16#0	True	True	True	False	
Values[62]	Byte		16#0	True	True	True	False	
Values[63]	Byte		16#0	True	True	True	False	
Values[64]	Byte		16#0	True	True	True	False	
Values[65]	Byte		16#0	True	True	True	False	
Values[66]	Byte		16#0	True	True	True	False	
Values[67]	Byte		16#0	True	True	True	False	
Values[68]	Byte		16#0	True	True	True	False	
Values[69]	Byte		16#0	True	True	True	False	
Values[70]	Byte		16#0	True	True	True	False	
Values[71]	Byte		16#0	True	True	True	False	
Values[72]	Byte		16#0	True	True	True	False	
Values[73]	Byte		16#0	True	True	True	False	
Values[74]	Byte		16#0	True	True	True	False	
Values[75]	Byte		16#0	True	True	True	False	
Values[76]	Byte		16#0	True	True	True	False	
Values[77]	Byte		16#0	True	True	True	False	
Values[78]	Byte		16#0	True	True	True	False	
Values[79]	Byte		16#0	True	True	True	False	
Values[80]	Byte		16#0	True	True	True	False	
Values[81]	Byte		16#0	True	True	True	False	
Values[82]	Byte		16#0	True	True	True	False	
Values[83]	Byte		16#0	True	True	True	False	
Values[84]	Byte		16#0	True	True	True	False	
Values[85]	Byte		16#0	True	True	True	False	
Values[86]	Byte		16#0	True	True	True	False	
Values[87]	Byte		16#0	True	True	True	False	
Values[88]	Byte		16#0	True	True	True	False	
Values[89]	Byte		16#0	True	True	True	False	
Values[90]	Byte		16#0	True	True	True	False	
Values[91]	Byte		16#0	True	True	True	False	
Values[92]	Byte		16#0	True	True	True	False	
Values[93]	Byte		16#0	True	True	True	False	
Values[94]	Byte		16#0	True	True	True	False	
Values[95]	Byte		16#0	True	True	True	False	
Values[96]	Byte		16#0	True	True	True	False	
Values[97]	Byte		16#0	True	True	True	False	
Values[98]	Byte		16#0	True	True	True	False	
Values[99]	Byte		16#0	True	True	True	False	
Values[100]	Byte		16#0	True	True	True	False	
Values[101]	Byte		16#0	True	True	True	False	
Values[102]	Byte		16#0	True	True	True	False	
Values[103]	Byte		16#0	True	True	True	False	
Values[104]	Byte		16#0	True	True	True	False	
Values[105]	Byte		16#0	True	True	True	False	
Values[106]	Byte		16#0	True	True	True	False	
Values[107]	Byte		16#0	True	True	True	False	
Values[108]	Byte		16#0	True	True	True	False	
Values[109]	Byte		16#0	True	True	True	False	
Values[110]	Byte		16#0	True	True	True	False	
Values[111]	Byte		16#0	True	True	True	False	
Values[112]	Byte		16#0	True	True	True	False	
Values[113]	Byte		16#0	True	True	True	False	
Values[114]	Byte		16#0	True	True	True	False	
Values[115]	Byte		16#0	True	True	True	False	
Values[116]	Byte		16#0	True	True	True	False	
Values[117]	Byte		16#0	True	True	True	False	
Values[118]	Byte		16#0	True	True	True	False	
Values[119]	Byte		16#0	True	True	True	False	
Values[120]	Byte		16#0	True	True	True	False	
Values[121]	Byte		16#0	True	True	True	False	
Values[122]	Byte		16#0	True	True	True	False	
Values[123]	Byte		16#0	True	True	True	False	
Values[124]	Byte		16#0	True	True	True	False	
Values[125]	Byte		16#0	True	True	True	False	



Totally Integrated Automation Portal								
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
Values[200]	Byte		16#0	True	True	True	False	
Values[201]	Byte		16#0	True	True	True	False	
Values[202]	Byte		16#0	True	True	True	False	
Values[203]	Byte		16#0	True	True	True	False	
Values[204]	Byte		16#0	True	True	True	False	
Values[205]	Byte		16#0	True	True	True	False	
Values[206]	Byte		16#0	True	True	True	False	
Values[207]	Byte		16#0	True	True	True	False	
Values[208]	Byte		16#0	True	True	True	False	
Values[209]	Byte		16#0	True	True	True	False	
Values[210]	Byte		16#0	True	True	True	False	
Values[211]	Byte		16#0	True	True	True	False	
Values[212]	Byte		16#0	True	True	True	False	
Values[213]	Byte		16#0	True	True	True	False	
Values[214]	Byte		16#0	True	True	True	False	
Values[215]	Byte		16#0	True	True	True	False	
Values[216]	Byte		16#0	True	True	True	False	
Values[217]	Byte		16#0	True	True	True	False	
Values[218]	Byte		16#0	True	True	True	False	
Values[219]	Byte		16#0	True	True	True	False	
Values[220]	Byte		16#0	True	True	True	False	
Values[221]	Byte		16#0	True	True	True	False	
Values[222]	Byte		16#0	True	True	True	False	
Values[223]	Byte		16#0	True	True	True	False	
Values[224]	Byte		16#0	True	True	True	False	
Values[225]	Byte		16#0	True	True	True	False	
Values[226]	Byte		16#0	True	True	True	False	
Values[227]	Byte		16#0	True	True	True	False	
Values[228]	Byte		16#0	True	True	True	False	
Values[229]	Byte		16#0	True	True	True	False	
Values[230]	Byte		16#0	True	True	True	False	
Values[231]	Byte		16#0	True	True	True	False	
Values[232]	Byte		16#0	True	True	True	False	
Values[233]	Byte		16#0	True	True	True	False	
Values[234]	Byte		16#0	True	True	True	False	
Values[235]	Byte		16#0	True	True	True	False	
Values[236]	Byte		16#0	True	True	True	False	
Values[237]	Byte		16#0	True	True	True	False	
Values[238]	Byte		16#0	True	True	True	False	
Values[239]	Byte		16#0	True	True	True	False	
Values[240]	Byte		16#0	True	True	True	False	
Values[241]	Byte		16#0	True	True	True	False	
Values[242]	Byte		16#0	True	True	True	False	
Values[243]	Byte		16#0	True	True	True	False	
Values[244]	Byte		16#0	True	True	True	False	

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FC5\_6\_Req

#### TCP\_MB\_FC5\_6\_Req Properties

##### General

Name	TCP_MB_FC5_6_Req	Number	622	Type	UDT	Language	
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##### Numbering

##### Information

Title	TCP_MB_FC5_6_Req	Author		Comment		Family	
-------	------------------	--------	--	---------	--	--------	--

Version	User-defined ID						
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI engineering	Visible in HMI/OPC UA	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
StartAddr	Word		16#0	True	True	True	False	
Value	Word		16#0	True	True	True	False	

Totally Integrated Automation Portal																	
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / PLC data types / System data types</b>																	
<b>TCP_MB_FC1_4_ValResp</b>																	
<b>TCP_MB_FC1_4_ValResp Properties</b>																	
<b>General</b>																	
Name	TCP_MB_FC1_4_ValResp	Number	621	Type	UDT	Language											
Numbering																	
<b>Information</b>																	
Title	TCP_MB_FC1_4_ValResp	Author		Comment		Family											
Version		User-defined ID															
<b>Name</b>		<b>Data type</b>	<b>Offset</b>	<b>Default value</b>	<b>Accessible from HMI/OPC UA</b>	<b>Writable in HMI engineering</b>	<b>Visible in HMI/OPC UA</b>	<b>Setpoint</b>	<b>Comment</b>								
Transaction_ID	Word			16#0	True	True	True	False									
Protocol_ID	Word			16#0	True	True	True	False									
Length	Word			16#0	True	True	True	False									
Unit_ID	Byte			16#0	True	True	True	False									
FCode	Byte			16#0	True	True	True	False									
Quantity	Byte			16#0	True	True	True	False									
Data1	Byte			16#0	True	True	True	False									
▼ Data	Array[0..248] of Byte				True	True	True	False									
Data[0]	Byte			16#0	True	True	True	False									
Data[1]	Byte			16#0	True	True	True	False									
Data[2]	Byte			16#0	True	True	True	False									
Data[3]	Byte			16#0	True	True	True	False									
Data[4]	Byte			16#0	True	True	True	False									
Data[5]	Byte			16#0	True	True	True	False									
Data[6]	Byte			16#0	True	True	True	False									
Data[7]	Byte			16#0	True	True	True	False									
Data[8]	Byte			16#0	True	True	True	False									
Data[9]	Byte			16#0	True	True	True	False									
Data[10]	Byte			16#0	True	True	True	False									
Data[11]	Byte			16#0	True	True	True	False									
Data[12]	Byte			16#0	True	True	True	False									
Data[13]	Byte			16#0	True	True	True	False									
Data[14]	Byte			16#0	True	True	True	False									
Data[15]	Byte			16#0	True	True	True	False									
Data[16]	Byte			16#0	True	True	True	False									
Data[17]	Byte			16#0	True	True	True	False									
Data[18]	Byte			16#0	True	True	True	False									
Data[19]	Byte			16#0	True	True	True	False									
Data[20]	Byte			16#0	True	True	True	False									
Data[21]	Byte			16#0	True	True	True	False									
Data[22]	Byte			16#0	True	True	True	False									
Data[23]	Byte			16#0	True	True	True	False									
Data[24]	Byte			16#0	True	True	True	False									
Data[25]	Byte			16#0	True	True	True	False									
Data[26]	Byte			16#0	True	True	True	False									
Data[27]	Byte			16#0	True	True	True	False									
Data[28]	Byte			16#0	True	True	True	False									
Data[29]	Byte			16#0	True	True	True	False									
Data[30]	Byte			16#0	True	True	True	False									
Data[31]	Byte			16#0	True	True	True	False									
Data[32]	Byte			16#0	True	True	True	False									
Data[33]	Byte			16#0	True	True	True	False									
Data[34]	Byte			16#0	True	True	True	False									
Data[35]	Byte			16#0	True	True	True	False									
Data[36]	Byte			16#0	True	True	True	False									
Data[37]	Byte			16#0	True	True	True	False									
Data[38]	Byte			16#0	True	True	True	False									
Data[39]	Byte			16#0	True	True	True	False									
Data[40]	Byte			16#0	True	True	True	False									
Data[41]	Byte			16#0	True	True	True	False									
Data[42]	Byte			16#0	True	True	True	False									
Data[43]	Byte			16#0	True	True	True	False									
Data[44]	Byte			16#0	True	True	True	False									
Data[45]	Byte			16#0	True	True	True	False									
Data[46]	Byte			16#0	True	True	True	False									
Data[47]	Byte			16#0	True	True	True	False									
Data[48]	Byte			16#0	True	True	True	False									
Data[49]	Byte			16#0	True	True	True	False									
Data[50]	Byte			16#0	True	True	True	False									
Data[51]	Byte			16#0	True	True	True	False									
Data[52]	Byte			16#0	True	True	True	False									
Data[53]	Byte			16#0	True	True	True	False									

Totally Integrated Automation Portal								
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
Data[54]	Byte		16#0	True	True	True	False	
Data[55]	Byte		16#0	True	True	True	False	
Data[56]	Byte		16#0	True	True	True	False	
Data[57]	Byte		16#0	True	True	True	False	
Data[58]	Byte		16#0	True	True	True	False	
Data[59]	Byte		16#0	True	True	True	False	
Data[60]	Byte		16#0	True	True	True	False	
Data[61]	Byte		16#0	True	True	True	False	
Data[62]	Byte		16#0	True	True	True	False	
Data[63]	Byte		16#0	True	True	True	False	
Data[64]	Byte		16#0	True	True	True	False	
Data[65]	Byte		16#0	True	True	True	False	
Data[66]	Byte		16#0	True	True	True	False	
Data[67]	Byte		16#0	True	True	True	False	
Data[68]	Byte		16#0	True	True	True	False	
Data[69]	Byte		16#0	True	True	True	False	
Data[70]	Byte		16#0	True	True	True	False	
Data[71]	Byte		16#0	True	True	True	False	
Data[72]	Byte		16#0	True	True	True	False	
Data[73]	Byte		16#0	True	True	True	False	
Data[74]	Byte		16#0	True	True	True	False	
Data[75]	Byte		16#0	True	True	True	False	
Data[76]	Byte		16#0	True	True	True	False	
Data[77]	Byte		16#0	True	True	True	False	
Data[78]	Byte		16#0	True	True	True	False	
Data[79]	Byte		16#0	True	True	True	False	
Data[80]	Byte		16#0	True	True	True	False	
Data[81]	Byte		16#0	True	True	True	False	
Data[82]	Byte		16#0	True	True	True	False	
Data[83]	Byte		16#0	True	True	True	False	
Data[84]	Byte		16#0	True	True	True	False	
Data[85]	Byte		16#0	True	True	True	False	
Data[86]	Byte		16#0	True	True	True	False	
Data[87]	Byte		16#0	True	True	True	False	
Data[88]	Byte		16#0	True	True	True	False	
Data[89]	Byte		16#0	True	True	True	False	
Data[90]	Byte		16#0	True	True	True	False	
Data[91]	Byte		16#0	True	True	True	False	
Data[92]	Byte		16#0	True	True	True	False	
Data[93]	Byte		16#0	True	True	True	False	
Data[94]	Byte		16#0	True	True	True	False	
Data[95]	Byte		16#0	True	True	True	False	
Data[96]	Byte		16#0	True	True	True	False	
Data[97]	Byte		16#0	True	True	True	False	
Data[98]	Byte		16#0	True	True	True	False	
Data[99]	Byte		16#0	True	True	True	False	
Data[100]	Byte		16#0	True	True	True	False	
Data[101]	Byte		16#0	True	True	True	False	
Data[102]	Byte		16#0	True	True	True	False	
Data[103]	Byte		16#0	True	True	True	False	
Data[104]	Byte		16#0	True	True	True	False	
Data[105]	Byte		16#0	True	True	True	False	
Data[106]	Byte		16#0	True	True	True	False	
Data[107]	Byte		16#0	True	True	True	False	
Data[108]	Byte		16#0	True	True	True	False	
Data[109]	Byte		16#0	True	True	True	False	
Data[110]	Byte		16#0	True	True	True	False	
Data[111]	Byte		16#0	True	True	True	False	
Data[112]	Byte		16#0	True	True	True	False	
Data[113]	Byte		16#0	True	True	True	False	
Data[114]	Byte		16#0	True	True	True	False	
Data[115]	Byte		16#0	True	True	True	False	
Data[116]	Byte		16#0	True	True	True	False	
Data[117]	Byte		16#0	True	True	True	False	
Data[118]	Byte		16#0	True	True	True	False	
Data[119]	Byte		16#0	True	True	True	False	
Data[120]	Byte		16#0	True	True	True	False	
Data[121]	Byte		16#0	True	True	True	False	
Data[122]	Byte		16#0	True	True	True	False	
Data[123]	Byte		16#0	True	True	True	False	
Data[124]	Byte		16#0	True	True	True	False	
Data[125]	Byte		16#0	True	True	True	False	
Data[126]	Byte		16#0	True	True	True	False	
Data[127]	Byte		16#0	True	True	True	False	

Totally Integrated Automation Portal								
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
Data[128]	Byte		16#0	True	True	True	False	
Data[129]	Byte		16#0	True	True	True	False	
Data[130]	Byte		16#0	True	True	True	False	
Data[131]	Byte		16#0	True	True	True	False	
Data[132]	Byte		16#0	True	True	True	False	
Data[133]	Byte		16#0	True	True	True	False	
Data[134]	Byte		16#0	True	True	True	False	
Data[135]	Byte		16#0	True	True	True	False	
Data[136]	Byte		16#0	True	True	True	False	
Data[137]	Byte		16#0	True	True	True	False	
Data[138]	Byte		16#0	True	True	True	False	
Data[139]	Byte		16#0	True	True	True	False	
Data[140]	Byte		16#0	True	True	True	False	
Data[141]	Byte		16#0	True	True	True	False	
Data[142]	Byte		16#0	True	True	True	False	
Data[143]	Byte		16#0	True	True	True	False	
Data[144]	Byte		16#0	True	True	True	False	
Data[145]	Byte		16#0	True	True	True	False	
Data[146]	Byte		16#0	True	True	True	False	
Data[147]	Byte		16#0	True	True	True	False	
Data[148]	Byte		16#0	True	True	True	False	
Data[149]	Byte		16#0	True	True	True	False	
Data[150]	Byte		16#0	True	True	True	False	
Data[151]	Byte		16#0	True	True	True	False	
Data[152]	Byte		16#0	True	True	True	False	
Data[153]	Byte		16#0	True	True	True	False	
Data[154]	Byte		16#0	True	True	True	False	
Data[155]	Byte		16#0	True	True	True	False	
Data[156]	Byte		16#0	True	True	True	False	
Data[157]	Byte		16#0	True	True	True	False	
Data[158]	Byte		16#0	True	True	True	False	
Data[159]	Byte		16#0	True	True	True	False	
Data[160]	Byte		16#0	True	True	True	False	
Data[161]	Byte		16#0	True	True	True	False	
Data[162]	Byte		16#0	True	True	True	False	
Data[163]	Byte		16#0	True	True	True	False	
Data[164]	Byte		16#0	True	True	True	False	
Data[165]	Byte		16#0	True	True	True	False	
Data[166]	Byte		16#0	True	True	True	False	
Data[167]	Byte		16#0	True	True	True	False	
Data[168]	Byte		16#0	True	True	True	False	
Data[169]	Byte		16#0	True	True	True	False	
Data[170]	Byte		16#0	True	True	True	False	
Data[171]	Byte		16#0	True	True	True	False	
Data[172]	Byte		16#0	True	True	True	False	
Data[173]	Byte		16#0	True	True	True	False	
Data[174]	Byte		16#0	True	True	True	False	
Data[175]	Byte		16#0	True	True	True	False	
Data[176]	Byte		16#0	True	True	True	False	
Data[177]	Byte		16#0	True	True	True	False	
Data[178]	Byte		16#0	True	True	True	False	
Data[179]	Byte		16#0	True	True	True	False	
Data[180]	Byte		16#0	True	True	True	False	
Data[181]	Byte		16#0	True	True	True	False	
Data[182]	Byte		16#0	True	True	True	False	
Data[183]	Byte		16#0	True	True	True	False	
Data[184]	Byte		16#0	True	True	True	False	
Data[185]	Byte		16#0	True	True	True	False	
Data[186]	Byte		16#0	True	True	True	False	
Data[187]	Byte		16#0	True	True	True	False	
Data[188]	Byte		16#0	True	True	True	False	
Data[189]	Byte		16#0	True	True	True	False	
Data[190]	Byte		16#0	True	True	True	False	
Data[191]	Byte		16#0	True	True	True	False	
Data[192]	Byte		16#0	True	True	True	False	
Data[193]	Byte		16#0	True	True	True	False	
Data[194]	Byte		16#0	True	True	True	False	
Data[195]	Byte		16#0	True	True	True	False	
Data[196]	Byte		16#0	True	True	True	False	
Data[197]	Byte		16#0	True	True	True	False	
Data[198]	Byte		16#0	True	True	True	False	
Data[199]	Byte		16#0	True	True	True	False	
Data[200]	Byte		16#0	True	True	True	False	
Data[201]	Byte		16#0	True	True	True	False	

Totally Integrated Automation Portal								
Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	Setpoint	Comment
Data[202]	Byte		16#0	True	True	True	False	
Data[203]	Byte		16#0	True	True	True	False	
Data[204]	Byte		16#0	True	True	True	False	
Data[205]	Byte		16#0	True	True	True	False	
Data[206]	Byte		16#0	True	True	True	False	
Data[207]	Byte		16#0	True	True	True	False	
Data[208]	Byte		16#0	True	True	True	False	
Data[209]	Byte		16#0	True	True	True	False	
Data[210]	Byte		16#0	True	True	True	False	
Data[211]	Byte		16#0	True	True	True	False	
Data[212]	Byte		16#0	True	True	True	False	
Data[213]	Byte		16#0	True	True	True	False	
Data[214]	Byte		16#0	True	True	True	False	
Data[215]	Byte		16#0	True	True	True	False	
Data[216]	Byte		16#0	True	True	True	False	
Data[217]	Byte		16#0	True	True	True	False	
Data[218]	Byte		16#0	True	True	True	False	
Data[219]	Byte		16#0	True	True	True	False	
Data[220]	Byte		16#0	True	True	True	False	
Data[221]	Byte		16#0	True	True	True	False	
Data[222]	Byte		16#0	True	True	True	False	
Data[223]	Byte		16#0	True	True	True	False	
Data[224]	Byte		16#0	True	True	True	False	
Data[225]	Byte		16#0	True	True	True	False	
Data[226]	Byte		16#0	True	True	True	False	
Data[227]	Byte		16#0	True	True	True	False	
Data[228]	Byte		16#0	True	True	True	False	
Data[229]	Byte		16#0	True	True	True	False	
Data[230]	Byte		16#0	True	True	True	False	
Data[231]	Byte		16#0	True	True	True	False	
Data[232]	Byte		16#0	True	True	True	False	
Data[233]	Byte		16#0	True	True	True	False	
Data[234]	Byte		16#0	True	True	True	False	
Data[235]	Byte		16#0	True	True	True	False	
Data[236]	Byte		16#0	True	True	True	False	
Data[237]	Byte		16#0	True	True	True	False	
Data[238]	Byte		16#0	True	True	True	False	
Data[239]	Byte		16#0	True	True	True	False	
Data[240]	Byte		16#0	True	True	True	False	
Data[241]	Byte		16#0	True	True	True	False	
Data[242]	Byte		16#0	True	True	True	False	
Data[243]	Byte		16#0	True	True	True	False	
Data[244]	Byte		16#0	True	True	True	False	
Data[245]	Byte		16#0	True	True	True	False	
Data[246]	Byte		16#0	True	True	True	False	
Data[247]	Byte		16#0	True	True	True	False	
Data[248]	Byte		16#0	True	True	True	False	

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FC1\_4\_Req

#### TCP\_MB\_FC1\_4\_Req Properties

##### General

Name	TCP_MB_FC1_4_Req	Number	620	Type	UDT	Language	
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##### Numbering

##### Information

Title	TCP_MB_FC1_4_Req	Author		Comment		Family	
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Version	User-defined ID						
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI engineering	Visible in HMI/OPC UA	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
StartAddr	Word		16#0	True	True	True	False	
Quantity	Word		16#0	True	True	True	False	

Totally Integrated Automation Portal		
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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC data types / System data types

### TCP\_MB\_FC5\_6\_ValResp

#### TCP\_MB\_FC5\_6\_ValResp Properties

##### General

Name	TCP_MB_FC5_6_ValResp	Number	623	Type	UDT	Language	
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##### Numbering

##### Information

Title	TCP_MB_FC5_6_ValResp	Author		Comment		Family	
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Version	User-defined ID						
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Name	Data type	Offset	Default value	Accessible from HMI/OPC UA	Writable HMI engineering	Visible in HMI/OPC UA	Setpoint	Comment
Transaction_ID	Word		16#0	True	True	True	False	
Protocol_ID	Word		16#0	True	True	True	False	
Length	Word		16#0	True	True	True	False	
Unit_ID	Byte		16#0	True	True	True	False	
FCode	Byte		16#0	True	True	True	False	
StartAddr	Word		16#0	True	True	True	False	
Value	Word		16#0	True	True	True	False	

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Watch and force tables

### Force table

Name	Address	Display format	Force value	Comment
"Servo_On":P	%Q0.0:P	Bool	TRUE	
"Start_Robot":P	%Q0.1:P	Bool	TRUE	
"Reset_Err":P	%Q0.2:P	Bool	TRUE	
"Next":P	%Q0.3:P	Bool	TRUE	
"External_Input_En":P	%Q0.4:P	Bool	TRUE	
"Servo_Off":P	%Q0.5:P	Bool	TRUE	
"Build_Block":P	%Q0.6:P	Bool	TRUE	
"Tread_Dispatcher":P	%Q0.7:P	Bool	TRUE	
"Midframe_Dispatcher":P	%Q1.0:P	Bool	TRUE	
"Base_Dispatcher":P	%Q1.1:P	Bool	TRUE	
"Turret_Dispatcher":P	%Q1.2:P	Bool	TRUE	
"Dispenser_6":P	%Q1.3:P	Bool	TRUE	
"Red":P	%Q1.4:P	Bool	TRUE	
"Yellow":P	%Q1.5:P	Bool	TRUE	
"Green":P	%Q1.6:P	Bool	TRUE	
"Siren":P	%Q1.7:P	Bool	TRUE	
	%Q2.0:P	Bool		
	%Q2.1:P	Bool		
	%Q2.2:P	Bool		
	%Q2.3:P	Bool		
	%Q2.4:P	Bool		
	%Q2.5:P	Bool		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Watch and force tables

### Inputs

Name	Address	Display format	Modify value	Comment
"Extension_Sensor_1"	%I0.0	Bool	FALSE	
"Extension_Sensor_2"	%I0.1	Bool		
"Start"	%I0.2	Bool		
"Stop"	%I0.3	Bool		
"Extension_Sensor_5"	%I0.4	Bool		
"Reset"	%I0.5	Bool		
"Bay_sensor"	%I0.6	Bool		
"Home_Sensor"	%I0.7	Bool		
	%I1.0	Bool		
"Extension_Sensor_3"	%I1.1	Bool		
"Extension_Sensor_4"	%I1.2	Bool		
"Extension_Sensor_7"	%I1.3	Bool		
	%I1.4	Bool		
	%I1.5	Bool		
"Extension_Sensor_6"	%I1.6	Bool		
"Robot_Ready"	%I1.7	Bool		
	%I2.0	Bool		
	%I2.1	Bool		
	%I2.2	Bool		
	%I2.3	Bool		
	%I2.4	Bool		
	%I2.5	Bool		
	%I2.6	Bool		
	%I2.7	Bool		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Watch and force tables

### ModBus Addresses

Name	Address	Display format	Modify value	Comment
"MbConfig".DATA[0]		DEC		
"MbConfig".DATA[1]		DEC		
"MbConfig".DATA[2]		DEC		
"MbConfig".DATA[3]		DEC		

## SeniorProject / PLC\_1 [CPU 1511F-1 PN]

### Traces

Name

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Traces

### Measurements

This folder is empty.

SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Traces

Combined measurements

Name

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / OPC UA communication

### Server interfaces

This folder is empty.

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / OPC UA communication

### Client interfaces

This folder is empty.

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC supervisions & alarms

### PLC supervisions

This folder is empty.

## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / PLC supervisions & alarms

### PLC alarms

PLC alarms

No entries

Totally Integrated Automation Portal			
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / PLC supervisions &amp; alarms</b>			
<b>System alarms</b>			
System alarms			
Name	SDIAG_ALCAT_SUBMODUL_MSG_0002	Type	PLC alarm
ID	1	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@,@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_MODUL_MSG_0003	Type	PLC alarm
ID	2	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_RACK_MSG_0004	Type	PLC alarm
ID	3	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_DEVICE_MSG_0005	Type	PLC alarm
ID	4	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_IOSYSTEM_MSG_0006	Type	PLC alarm
ID	5	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CPU_OST_MSG_000D	Type	PLC alarm
ID	6	Location	PLC_1
Alarm text	CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	

Totally Integrated Automation Portal			
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_INFO_MSG_000F	<b>Type</b>	PLC alarm
<b>ID</b>	7	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU info: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_ERR_MSG_0010	<b>Type</b>	PLC alarm
<b>ID</b>	8	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_MD_MSG_0011	<b>Type</b>	PLC alarm
<b>ID</b>	9	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_MR_MSG1_0012	<b>Type</b>	PLC alarm
<b>ID</b>	10	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU maintenance required: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_TMPERR_MSG_0013	<b>Type</b>	PLC alarm
<b>ID</b>	11	<b>Location</b>	PLC_1
<b>Alarm text</b>	Temporary CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CH_ERR_MSG_0015	<b>Type</b>	PLC alarm
<b>ID</b>	12	<b>Location</b>	PLC_1
<b>Alarm text</b>	Error: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@ @6W%t#259K@ @6W%t#262K@ @6W%t#263K@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	True	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	

Totally Integrated Automation Portal			
Name	SDIAG_ALCAT_ECH_ERR_MSG_0016	Type	PLC alarm
ID	13	Location	PLC_1
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CH_MD_MSG_0018	Type	PLC alarm
ID	14	Location	PLC_1
Alarm text	Maintenance demanded:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ECH_MD_MSG_0019	Type	PLC alarm
ID	15	Location	PLC_1
Alarm text	Maintenance demanded:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CH_MR_MSG_001B	Type	PLC alarm
ID	16	Location	PLC_1
Alarm text	Maintenance required:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ECH_MR_MSG_001C	Type	PLC alarm
ID	17	Location	PLC_1
Alarm text	Maintenance required:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SUB_ERR_MSG_001E	Type	PLC alarm
ID	18	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@..@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	

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Name	SDIAG_ALCAT_ESUB_ERR_MSG_001F	Type	PLC alarm
ID	19	Location	PLC_1
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SUB_MD_MSG_0021	Type	PLC alarm
ID	20	Location	PLC_1
Alarm text	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ESUB_MD_MSG_0022	Type	PLC alarm
ID	21	Location	PLC_1
Alarm text	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SUB_MR_MSG_0024	Type	PLC alarm
ID	22	Location	PLC_1
Alarm text	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ESUB_MR_MSG_0025	Type	PLC alarm
ID	23	Location	PLC_1
Alarm text	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CONFIG_INFO_0028	Type	PLC alarm
ID	24	Location	PLC_1
Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CONFIG_REPORT_0029	Type	PLC alarm
ID	25	Location	PLC_1

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Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SECU_EV_MSG_005E	Type	PLC alarm
ID	26	Location	PLC_1
Alarm text	Security event: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	Security
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SECU_EV_INFO_005F	Type	PLC alarm
ID	27	Location	PLC_1
Alarm text	Security information: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	Security
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_USER_MSG_0080	Type	PLC alarm
ID	28	Location	PLC_1
Alarm text	User message: @1W%t#2W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_PLAIN_MSG_00FF	Type	PLC alarm
ID	29	Location	PLC_1
Alarm text	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	True	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_SUBMODUL_MSG_0102	Type	PLC alarm
ID	30	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_MODUL_MSG_0103	Type	PLC alarm
ID	31	Location	PLC_1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0

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<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_RACK_MSG_0104	<b>Type</b>	PLC alarm
<b>ID</b>	32	<b>Location</b>	PLC_1
<b>Alarm text</b>	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_DEVICE_MSG_0105	<b>Type</b>	PLC alarm
<b>ID</b>	33	<b>Location</b>	PLC_1
<b>Alarm text</b>	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_IOSYSTEM_MSG_0106	<b>Type</b>	PLC alarm
<b>ID</b>	34	<b>Location</b>	PLC_1
<b>Alarm text</b>	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_OST_MSG_010D	<b>Type</b>	PLC alarm
<b>ID</b>	35	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_ERR_MSG_0110	<b>Type</b>	PLC alarm
<b>ID</b>	36	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	
<b>Additional text 4</b>		<b>Additional text 5</b>	
<b>Additional text 6</b>		<b>Additional text 7</b>	
<b>Additional text 8</b>		<b>Additional text 9</b>	
<b>Name</b>	SDIAG_ALCAT_CPU_MD_MSG_0111	<b>Type</b>	PLC alarm
<b>ID</b>	37	<b>Location</b>	PLC_1
<b>Alarm text</b>	CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	<b>Info text</b>	Short name: @6W%t#260K@ Order number: @6W%t#265K@
<b>Alarm class</b>	No Acknowledgement	<b>Acknowledgment</b>	False
<b>Information only</b>	False	<b>Priority</b>	0
<b>Report</b>	False	<b>Created by</b>	System diagnostics
<b>Date created</b>	10/18/2019 6:37 PM	<b>Last change</b>	10/18/2019 6:37 PM
<b>Group ID</b>	0	<b>Additional text 1</b>	PLC_1
<b>Additional text 2</b>		<b>Additional text 3</b>	

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Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CPU_MR_MSG1_0112	Type	PLC alarm
ID	38	Location	PLC_1
Alarm text	CPU maintenance required: @1W%#7W@ @6W%t#257K@ / @5W%#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%#7W@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CH_ERR_MSG_0115	Type	PLC alarm
ID	39	Location	PLC_1
Alarm text	Error: @1W%#7W@ on @8W%#280K@ @6W%t#257K@ / @6W%#258K@ @6W%#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ECH_ERR_MSG_0116	Type	PLC alarm
ID	40	Location	PLC_1
Alarm text	Error: @1W%#7W@ - @5W%#7W@ on @8W%#280K@ @6W%#257K@ / @6W%#258K@ @6W%#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CH_MD_MSG_0118	Type	PLC alarm
ID	41	Location	PLC_1
Alarm text	Maintenance demanded:@1W%#7W@ on @8W%t#280K@ @6W%#257K@ / @6W%#258K@ @6W%#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_ECH_MD_MSG_0119	Type	PLC alarm
ID	42	Location	PLC_1
Alarm text	Maintenance demanded:@1W%#7W@ - @5W%#7W@ on @8W%#280K@ @6W%#257K@ / @6W%#258K@ @6W%#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CH_MR_MSG_011B	Type	PLC alarm
ID	43	Location	PLC_1
Alarm text	Maintenance required:@1W%#7W@ on @8W%#280K@ @6W%#257K@ / @6W%#258K@ @6W%#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	

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Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_ECH_MR_MSG_011C	Type
ID	44	Location
Alarm text	Maintenance required:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_SUB_ERR_MSG_011E	Type
ID	45	Location
Alarm text	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_ESUB_ERR_MSG_011F	Type
ID	46	Location
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_SUB_MD_MSG_0121	Type
ID	47	Location
Alarm text	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_ESUB_MD_MSG_0122	Type
ID	48	Location
Alarm text	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9
Name	SDIAG_ALCAT_SUB_MR_MSG_0124	Type
ID	49	Location
Alarm text	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text
Alarm class	No Acknowledgement	Acknowledgment
Information only	False	Priority
Report	False	Created by
Date created	10/18/2019 6:37 PM	Last change
Group ID	0	Additional text 1
Additional text 2		Additional text 3
Additional text 4		Additional text 5
Additional text 6		Additional text 7
Additional text 8		Additional text 9

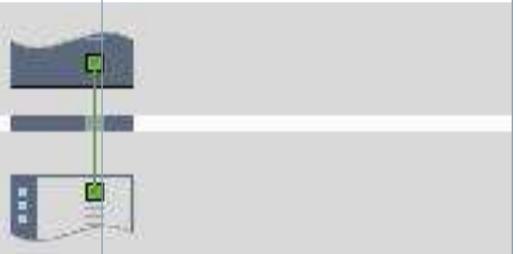
Totally Integrated Automation Portal			
<b>Additional text 8</b>		<b>Additional text 9</b>	
Name	SDIAG_ALCAT_ESUB_MR_MSG_0125	Type	PLC alarm
ID	50	Location	PLC_1
Alarm text	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@. @6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_CONFIG_INFO_0128	Type	PLC alarm
ID	51	Location	PLC_1
Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	
Name	SDIAG_ALCAT_PLC_MSG_01FF	Type	PLC alarm
ID	52	Location	PLC_1
Alarm text	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Alarm class	No Acknowledgement	Acknowledgment	False
Information only	False	Priority	0
Report	False	Created by	System diagnostics
Date created	10/18/2019 6:37 PM	Last change	10/18/2019 6:37 PM
Group ID	0	Additional text 1	PLC_1
Additional text 2		Additional text 3	
Additional text 4		Additional text 5	
Additional text 6		Additional text 7	
Additional text 8		Additional text 9	

## SeniorProject / PLC\_1 [CPU 1511F-1 PN]

### PLC alarm text lists

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Totally Integrated Automation Portal				
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Local modules</b>				
<b>PLC_1 [CPU 1511F-1 PN]</b>				
<b>PLC_1</b>				
<b>General\Project information</b>				
Name	PLC_1	Author	abondar	Comment
Rack	0	Slot	1	
<b>General\Catalog information</b>				
Short designation	CPU 1511F-1 PN	Description	Fail-safe CPU with display; work memory 225 KB code and 1 MB data; can be used for safety applications; supports consistent safety upload; supports PROFlsafe V2; 60 ns bit instruction time; 5-stage protection concept, integrated technology functions: motion control, closed-loop control, counting & measuring; tracing; PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-device, MRP, MRPD, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, DNS client, OPC UA: Server DA, Client DA, Methods, Companion Specifications; constant bus cycle time, routing; Runtime options, firmware V2.6	Article number 6ES7 511-1FK02-0AB0
Firmware version	V2.6			
<b>General\Identification &amp; Maintenance</b>				
Plant designation		Location identifier		Installation date 2019-10-18 22:34:16.201
Additional information				
<b>General\Checksums</b>				
Text lists	FA 70 E8 75 1D 5A 8E 29	Software	E3 A9 A1 E7 7B 7D F9 03	
<b>Fail-safe\F-activation</b>				
F-capability activated	1			
<b>Fail-safe\F-parameters</b>				
Central F-source address	1	Default F-monitoring time for central F-I/O	150ms	
<b>Fail-safe\F-destination address range for PROFlsafe address type 1</b>				
Low limit for F-destination addresses	1	High limit for F-destination addresses	99	
<b>PROFINET interface [X1]\General</b>				
Name	PROFINET interface_1	Author	abondar	Comment
<b>PROFINET interface [X1]\F-parameters</b>				
Default F-monitoring time for F-I/O of this interface	150ms			
<b>PROFINET interface [X1]\Ethernet addresses\Interface networked with</b>				
Subnet:	PN/IE_1			
<b>PROFINET interface [X1]\Ethernet addresses\IP protocol</b>				
IP configuration	Set IP address in the project	IP address:	192.168.0.10	Subnet mask: 255.255.255.0
Use router	False			
<b>PROFINET interface [X1]\Ethernet addresses\PROFINET</b>				
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	
<b>PROFINET interface [X1]\Time synchronization\NTP mode</b>				
Note	Time synchronization for all PROFINET interfaces take place within the settings for time synchronization of the PROFINET interface [X1].	Enable time synchronization via NTP server	False	
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	10s	
<b>PROFINET interface [X1]\Operating mode</b>				
IO controller	True	IO system	PROFINET IO-System (100)	Device number 0
IO device	False			
<b>PROFINET interface [X1]\Advanced options\Interface options</b>				
Call the user program if communication errors occur	False	Support device replacement without exchangeable medium	True	Permit overwriting of device names of all assigned IO devices False
Limit data infeed into the network	True	Use IEC V2.2 LLDP mode	False	Keep-Alive connection monitoring: 30s
<b>PROFINET interface [X1]\Advanced options\Media redundancy</b>				
MRP domain	mrpdomain-1	Media redundancy role:	Not device in the ring	
<b>PROFINET interface [X1]\Advanced options\Real time settings\IO communication</b>				
Send clock:	1.000ms			
<b>PROFINET interface [X1]\Advanced options\Real time settings\Synchronization</b>				
Sync domain:	Sync-Domain_1	Synchronization role:	Unsynchronized	RT class: RT,IRT
<b>PROFINET interface [X1]\Advanced options\Real time settings\Real time options</b>				
Calculated bandwidth for cyclic IO data:	0.007ms	Calculated bandwidth for cyclic IO data:	0.704%	
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\General</b>				
Name	Port_1	Author	abondar	Comment

Totally Integrated Automation Portal				
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port interconnection\Local port:</b>				
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1 R]	Medium:	Copper	Cable name: ---
				
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port interconnection\Partner port:</b>				
	Monitoring of partner port is not possible	Alternative partners	False	Partner port: Any partner
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Activate</b>				
Activate this port for use	True			
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Connection</b>				
Transmission rate / duplex:	Automatic	Monitor	False	Enable autonegotiation: True
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1 R]\Port options\Boundaries</b>				
End of detection of accessible devices	False	End of topology discovery	False	End of the sync domain: False
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\General</b>				
Name	Port_2	Author	abondar	Comment
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port interconnection\Local port:</b>				
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_2 [X1 P2 R]	Medium:	Copper	Cable name: ---
				
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port interconnection\Partner port:</b>				
	Monitoring of partner port is not possible	Alternative partners	False	Partner port: Any partner
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Activate</b>				
Activate this port for use	True			
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Connection</b>				
Transmission rate / duplex:	Automatic	Monitor	False	Enable autonegotiation: True
<b>PROFINET interface [X1]\Advanced options\Port [X1 P2 R]\Port options\Boundaries</b>				
End of detection of accessible devices	False	End of topology discovery	False	End of the sync domain: False
<b>PROFINET interface [X1]\Web server access</b>				
Note	The Web server must also be activated in the properties of the PLC.	Enable Web server using this interface	True	
<b>Startup</b>				
Startup after POWER ON	Warm restart - Operating mode before POWER OFF	Comparison preset to actual configuration	Startup CPU even if mismatch	Configuration time: 60000ms
<b>Cycle</b>				
Maximum cycle time	150ms			Enable minimum cycle time for cyclic OBs: True
Minimum cycle time	1ms			
<b>Communication load</b>				
Cycle load due to communication	50%			
<b>System and clock memory\System memory bits</b>				
Enable the use of system memory byte	False	Address of system memory byte (MBx)	1	First cycle
Diagnostic status changed		Always 1 (high)		Always 0 (low)
<b>System and clock memory\Clock memory bits</b>				
Enable the use of clock memory byte	True	Address of clock memory byte (MBx)	10	10 Hz clock: %M10.0 (Clock_10Hz)
5 Hz clock	%M10.1 (Clock_5Hz)	2.5 Hz clock	%M10.2 (Clock_2.5Hz)	2 Hz clock: %M10.3 (Clock_2Hz)
1.25 Hz clock	%M10.4 (Clock_1.25Hz)	1 Hz clock	%M10.5 (Clock_1Hz)	0.625 Hz clock: %M10.6 (Clock_0.625Hz)
<b>SIMATIC Memory Card\Diagnostics</b>				
Aging of the SIMATIC memory card	False	Threshold value	80%	
<b>System diagnostics\General</b>				
Activate system diagnostics for this device	True	Report network faults as maintenance instead of fault	False	
<b>PLC alarms\General</b>				
Central alarm management in the PLC	True			
<b>Web server\General</b>				
Activate web server on this module	True	Permit access only with HTTPS	True	
<b>Web server\Automatic update</b>				
Enable automatic update	True	Update interval	10s	

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<b>Web server\User management</b>			
<b>User name</b>		<b>User rights</b>	
Everybody			
Admin		Query diagnostics ,Read tags ,Write tags ,Read tag status ,Write tag status ,Acknowledge messages ,Open user-defined pages ,Write in user-defined web pages ,Read files ,Write/delete files ,Change operating mode ,Let LED flash ,Perform firmware update ,create a backup of the PLC ,restore the PLC by a backup file ,perform changes as F-Admin	
<b>Web server\User-defined web pages</b>			
Application name	HTML source path	Default HTML page	Files with dynamic content Web DB number Fragment DB number
		index.htm	.htm;.html 333 334
<b>Web server\Overview of interfaces</b>			
Device	Interface	<b>Enabled web server access</b>	
PLC_1	PROFINET interface_1	True	
<b>DNS configuration</b>			
No DNS server address is configured.			
<b>Display\General\Display standby mode</b>			
Time to standby mode	30 minutes		
<b>Display\General\Energy saving mode</b>			
Time to energy saving mode	15 minutes		
<b>Display\General\Display language</b>			
Default language on display	English		
<b>Display\Automatic update</b>			
Time to update	5 seconds		
<b>Display&gt;Password\Display protection</b>			
Enable write access	True	Enable display protection	False
<b>Display\User-defined logo\</b>			
User logo activated	False	Adapt logo	False
Company logo	---		
<b>User interface languages</b>			
<b>Assign project language</b>		<b>User interface languages</b>	
English (United States)		German	
English (United States)		English	
English (United States)		French	
English (United States)		Spanish	
English (United States)		Italian	
English (United States)		Japanese	
English (United States)		Chinese (simplified)	
English (United States)		Korean	
English (United States)		Russian	
English (United States)		Turkish	
English (United States)		Portuguese (Brazil)	
<b>Time of day\Local time</b>			
Time zone	(UTC) Dublin, Edinburgh, Lisbon, London		
<b>Time of day\Daylight saving time</b>			
Activate daylight saving time	True	Difference between standard and daylight saving time	60mins
<b>Time of day\Daylight saving time\Start of daylight saving time</b>			
Selection of the week	Last	Selection of the weekday	Sunday of March
at	01:00 a.m.		
<b>Time of day\Daylight saving time\Start of standard time</b>			
Selection of the week	Last	Selection of the weekday	Sunday of October
at	02:00 a.m.		
<b>Protection</b>			
Level of protection	Full access with fail-safe (no protection)		
<b>Protection\Connection mechanisms</b>			
Permit access with PUT/GET communication from remote partner	False		
<b>Protection\Security event</b>			
Summarize security events in case of high message volume	True	Length of an interval	20 Unit seconds
<b>OPC UA\Accessibility of the server</b>			
Activate OPC UA server	False		
<b>OPC UA\Accessibility of the client</b>			
Activate OPC UA client	False		
<b>System power supply\General</b>			
General	Connection to supply voltage L+		
<b>System power supply\Power segment overview</b>			
Module	Slot	<b>Supply/consumption</b>	
PLC_1	1	10.00W	
DI 16x24VDC SRC BA_1	2	-0.90W	
DQ 16x24VDC/0.5A HF_1	3	-1.10W	
F-DI 16x24V DC_1	4	-0.90W	
	Summary	7.10W	

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<b>Configuration control\Configuration control for central configuration</b>											
Allow reconfiguration of device via the user program	False										
<b>Connection resources\</b>											
		<b>Station resources - Reserved - Maximum</b>			<b>Station resources - Reserved - Configured</b>		<b>Station resources - Dynamic - Configured</b>		<b>Module resources - PLC_1 [CPU 1511F-1 PN] - Configured</b>		
Maximum number of resources:					10		54		64		
PG communication:		Maximum			Configured		Configured		Configured		
HMI communication:		4			-		-		-		
S7 communication:		4			2		0		2		
Open user communication:		0			-		0		0		
Web communication:		0			-		-		-		
Other communication:		2			-		0		0		
Total resources used:					2		0		2		
Available resources:					8		54		62		
<b>Overview of addresses\Overview of addresses\Overview of addresses</b>											
Inputs	True			Outputs	True			Address gaps	False		
Slot	True										
Type	Addr. from	Addr. to	Module	PIP	OB	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 16x24VDC SRC BA_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	2
O	0	1	DQ 16x24VDC/0.5A HF_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	3
I	2	10	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	9 Bytes	-	0	4
O	2	6	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	5 Bytes	-	0	4
I	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
O	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
I	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150
O	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150
<b>Runtime licenses\OPC UA\Runtime licenses</b>											
Type of required license	None			Type of purchased license	No license						
<b>Runtime licenses\ProDiag\Supervisions</b>											
Number of used supervisions	0										
<b>Runtime licenses\ProDiag\Runtime licenses</b>											
Number of required licenses	None (<= 25 supervisions)			Used ProDiag licenses	No license						
<b>Runtime licenses\Energy Suite\Energy objects</b>											
Number of configured energy objects	0										
<b>Runtime licenses\Energy Suite\Runtime licenses</b>											
Total number of licensed energy objects	0										
<b>Runtime licenses\Energy Suite\Runtime licenses\Number of purchased licenses</b>											
License type '5 energy objects'	No license			License type '10 energy objects'	No license						

Totally Integrated Automation Portal					
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Local modules</b>					
<b>DI 16x24VDC SRC BA_1</b>					
DI 16x24VDC SRC BA_1					
General\Project information					
Name	DI 16x24VDC SRC BA_1	Author	abondar	Comment	
Rack	0	Slot	2		
General\Catalog information					
Short designation	DI 16x24VDC SRC BA	Description	Digital input module DI16 x 24VDC, active low; grouping 16; input delay 3.2ms; input type 3 (IEC 61131)	Article number	6ES7 521-1BH50-0AA0
Firmware version	V2.0				
General\Identification & Maintenance					
Plant designation		Location identifier		Installation date	2019-10-18 22:34:41.493
Additional information					
Module parameters\General\Startup					
Comparison preset to actual module	From CPU				
Module parameters\DI Configuration\Configuration of submodules					
Module distribution	None				
Module parameters\DI Configuration\Value status (Quality Information)					
Value status	False				
Module parameters\DI Configuration\Copy of module for Shared Device (MSI)					
Copy of module:	None				
Input 0 - 15\General					
Name	DI 16x24VDC SRC BA_1	Comment			
Input 0 - 15\Inputs\General\Module failure					
Input values with module failure	Input value 0				
Input 0 - 15\I/O addresses\Input addresses					
Start address	0.0	End address	1.7	Organization block	0
Process image	0				

Totally Integrated Automation Portal			
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Local modules</b>			
<b>DQ 16x24VDC/0.5A HF_1</b>			
DQ 16x24VDC/0.5A HF_1			
General\Project information			
Name	DQ 16x24VDC/0.5A HF_1	Author	abondar
Rack	0	Slot	3
General\Catalog information			
Short designation	DQ 16x24VDC/0.5A HF	Description	Digital output module DQ16 x DC24V / 0,5A; grouping 8; 4A per group; configurable diagnostics; configurable substitute value for output; isochronous mode
Firmware version	V1.0	Article number	6ES7 522-1BH01-0AB0
General\Identification & Maintenance			
Plant designation		Location identifier	
Additional information			Installation date 2019-10-18 22:34:41.493
Module parameters\General\Startup			
Comparison preset to actual module	From CPU		
Module parameters\Channel template\Outputs\Apply to all channels that use the template\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Module parameters\Channel template\Outputs\Apply to all channels that use the template\Output parameters			
Reaction to CPU STOP	Shutdown		
Module parameters\DQ configuration\Configuration of submodules			
Module distribution	None		
Module parameters\DQ configuration\Value status (Quality Information)			
Value status	False		
Module parameters\DQ configuration\Copy of module for shared device (MSO)			
Copy of module:	None		
Output 0 - 15\General			
Name	DQ 16x24VDC/0.5A HF_1	Comment	
Output 0 - 15\Outputs\Channel 0 - 7\Channel 0			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 0\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 0\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 1			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 1\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 1\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 2			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 2\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 2\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 3			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 3\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 3\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 4			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 4\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 4\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 5			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 5\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 5\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 6			
Parameter settings	From template		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 6\Diagnosics			
No supply voltage L+	False	Wire break	False
			Short circuit to ground
			False
Output 0 - 15\Outputs\Channel 0 - 7\Channel 6\Output parameters			
Reaction to CPU STOP	Shutdown		
Output 0 - 15\Outputs\Channel 0 - 7\Channel 7			
Parameter settings	From template		

Totally Integrated Automation Portal					
<b>Output 0 - 15\Outputs\Channel 0 - 7\Channel 7\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 0 - 7\Channel 7\Output parameters</b>					
Reaction to CPU STOP Shutdown					
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 8</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 8\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 8\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 9</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 9\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 9\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 10</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 10\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 10\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 11</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 11\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 11\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 12</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 12\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 12\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 13</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 13\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 13\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 14</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 14\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 14\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 15</b>					
Parameter settings	From template				
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 15\Diagnostics</b>					
No supply voltage L+	False	Wire break	False	Short circuit to ground	False
<b>Output 0 - 15\Outputs\Channel 8 - 15\Channel 15\Output parameters</b>					
Reaction to CPU STOP	Shutdown				
<b>Output 0 - 15\I/O addresses\Output addresses</b>					
Start address	0.0	End address	1.7	Isochronous mode	False
Organization block	0	Process image	0		

Totally Integrated Automation Portal			
<b>SeniorProject / PLC_1 [CPU 1511F-1 PN] / Local modules</b>			
<b>F-DI 16x24V DC_1</b>			
<b>F-DI 16x24V DC_1</b>			
<b>General\Project information</b>			
Name	F-DI 16x24V DC_1	Author	abondar
Rack	0	Slot	4
<b>General\Catalog information</b>			
Short designation	F-DI 16x24V DC	Description	Digital input module DI 16x24VDC, PROFIsafe V2, fail-safe
Firmware version	V1.0	Article number	6ES7 526-1BH00-0AB0
<b>General\Identification &amp; Maintenance</b>			
Plant designation		Location identifier	
Additional information			Installation date 2019-10-18 22:34:41.493
<b>Module parameters\General\Startup</b>			
Comparison preset to actual module	From CPU		
<b>Inputs 0 - 15\General</b>			
Name	F-DI 16x24V DC_1	Comment	
<b>Inputs 0 - 15\F-parameters</b>			
Manual assignment of F-monitoring time	False	F-monitoring time	150ms
F-destination address	65534	F-parameter signature (with addresses)	43567
Behavior after channel fault	Passivate channel	Reintegration after channel fault	All channels manually
PROFIsafe mode	V2 mode	PROFIsafe protocol version	Expanded protocol (XP)
F-I/O DB-number	30002	F-I/O DB-name	F00002_F-DI16x24VDC_1
<b>Inputs 0 - 15\Inputs\Sensor supply\Sensor supply 0</b>			
Supplied channels	Channels [0...3]	Short-circuit test activated	Yes
Startup time of sensor after short-circuit test	4.2ms		Time for short-circuit test 4.2ms
<b>Inputs 0 - 15\Inputs\Sensor supply\Sensor supply 1</b>			
Supplied channels	Channels [4...7]	Short-circuit test activated	Yes
Startup time of sensor after short-circuit test	4.2ms		Time for short-circuit test 4.2ms
<b>Inputs 0 - 15\Inputs\Sensor supply\Sensor supply 2</b>			
Supplied channels	Channels [8...11]	Short-circuit test activated	Yes
Startup time of sensor after short-circuit test	4.2ms		Time for short-circuit test 4.2ms
<b>Inputs 0 - 15\Inputs\Sensor supply\Sensor supply 3</b>			
Supplied channels	Channels [12...15]	Short-circuit test activated	Yes
Startup time of sensor after short-circuit test	4.2ms		Time for short-circuit test 4.2ms
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 0, 8</b>			
Sensor evaluation	1oo2 evaluation, non-equivalent	Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary		Discrepancy time 5ms
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 0, 8\Channel 0\Input parameters</b>			
Channel activated	Yes	Input delay	3.2ms
Pulse extension	--sec		Channel failure acknowledge Manual
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 0, 8\Channel 0\Chatter monitoring</b>			
Chatter monitoring	No	Number of signal changes	5 Monitoring window 2sec
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 0, 8\Channel 8\Input parameters</b>			
Channel activated	Yes	Input delay	3.2ms
Pulse extension	--sec		Channel failure acknowledge Manual
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 0, 8\Channel 8\Chatter monitoring</b>			
Chatter monitoring	No	Number of signal changes	5 Monitoring window 2sec
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 1, 9</b>			
Sensor evaluation	1oo2 evaluation, equivalent	Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary		Discrepancy time 5ms
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 1, 9\Channel 1\Input parameters</b>			
Channel activated	Yes	Input delay	3.2ms
Pulse extension	--sec		Channel failure acknowledge Manual
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 1, 9\Channel 1\Chatter monitoring</b>			
Chatter monitoring	No	Number of signal changes	5 Monitoring window 2sec

Totally Integrated Automation Portal				
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 1, 9\Channel 9\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 1, 9\Channel 9\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 2, 10\Channel 2\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 2, 10\Channel 2\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 3, 11\Channel 3\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 3, 11\Channel 3\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 4, 12\Channel 4\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 4, 12\Channel 4\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, non-equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 4, 12\Channel 12\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 4, 12\Channel 12\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, non-equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 5, 13\Channel 5\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 5, 13\Channel 5\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 6\Input parameters</b>				
Channel activated	Yes		Input delay	3.2ms
Pulse extension	---sec			Channel failure acknowledge
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 6\Chatter monitoring</b>				
Chatter monitoring	No		Number of signal changes	5
				Monitoring window
Sensor evaluation	1oo2 evaluation, equivalent		Discrepancy behavior	Supply value 0
Reintegration after discrepancy error	Test O-Signal not necessary			Discrepancy time

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<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 6\Input parameters</b>		
Channel activated	Yes	Input delay 3.2ms  Channel failure acknowledge Manual
Pulse extension	---sec	
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 6\Chatter monitoring</b>		
Chatter monitoring	No	Number of signal changes 5  Monitoring window 2sec
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 14\Input parameters</b>		
Channel activated	Yes	Input delay 3.2ms  Channel failure acknowledge Manual
Pulse extension	---sec	
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 6, 14\Channel 14\Chatter monitoring</b>		
Chatter monitoring	No	Number of signal changes 5  Monitoring window 2sec
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 7, 15</b>		
Sensor evaluation	1002 evaluation, equivalent	Discrepancy behavior Supply value 0  Discrepancy time 5ms
Reintegration after discrepancy error	Test O-Signal not necessary	
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 7, 15\Channel 7\Input parameters</b>		
Channel activated	Yes	Input delay 3.2ms  Channel failure acknowledge Manual
Pulse extension	---sec	
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 7, 15\Channel 7\Chatter monitoring</b>		
Chatter monitoring	No	Number of signal changes 5  Monitoring window 2sec
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 7, 15\Channel 15\Input parameters</b>		
Channel activated	Yes	Input delay 3.2ms  Channel failure acknowledge Manual
Pulse extension	---sec	
<b>Inputs 0 - 15\Inputs\Channel parameters\Channel 7, 15\Channel 15\Chatter monitoring</b>		
Chatter monitoring	No	Number of signal changes 5  Monitoring window 2sec
<b>Inputs 0 - 15\I/O addresses\Input addresses</b>		
Start address	2.0	End address 10.7  Organization block 33024
Process image	33024	
<b>Inputs 0 - 15\I/O addresses\Output addresses</b>		
Start address	2.0	End address 6.7  Organization block 33024
Process image	33024	

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## SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Distributed I/O

### PROFINET IO-System (100): PN/IE\_1

PROFINET IO-System											
General											
IO controller:	PLC_1	Name:	PROFINET IO-System	Number:	100						
Multiple use IO system	False	Use name as extension for the PROFINET device name.	False								
Hardware identifier											
Hardware identifier	260										
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	OB	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 16x24VDC SRC BA_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	2
O	0	1	DQ 16x24VDC/ 0.5A HF_1	Automatic update	-	PLC_1 [CPU 1511F-1 PN]	-	2 Bytes	-	0	3
I	2	10	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	9 Bytes	-	0	4
O	2	6	F-DI 16x24V DC_1	-	-	PLC_1 [CPU 1511F-1 PN]	-	5 Bytes	-	0	4
I	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
O	260	263	Standard_telegram_1	Automatic update	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	4 Bytes	PROFINET IO-System [100]	0	0 X150
I	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150
O	11	16	PROFI-safe_telegram_30	-	-	G120 CU240E_2_PN [G120 CU240E-2 PN]	1	6 Bytes	PROFINET IO-System [100]	0	0 X150

**SeniorProject / PLC\_1 [CPU 1511F-1 PN] / Distributed I/O / PROFINET IO-System (100): PN/IE\_1**  
**G120 CU240E\_2\_PN [G120 CU240E-2 PN]**

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## SeniorProject

### PC-System\_1 [SIMATIC PC station]

PC-System_1					
General					
Name	PC-System_1	Computer name identical to PC station name	No	Computer name	
Author	abondar	Comment			
XDB configuration					
S7RTM is installed (for example the SIMATIC NET PC software)	No	Generate XDB file	No	XDB file storage path	

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## SeniorProject / PC-System\_1 [SIMATIC PC station]

### HMI\_RT\_1 [WinCC RT Advanced]

HMI_RT_1					
General					
Name	HMI_RT_1	Device/application type	SIMATIC PC station - WinCC RT Advanced	Author	abondar
Comment					
General\Catalog information					
Short designation	WinCC RT Advanced	Description	Runtime software for PC-based visualization (requires WinCC Runtime Advanced)	article number	6AV2 104-0xxxx-xxxx
Version	15.1.0.0				
Information					
Number of used PowerTags	42	Memory requirements in runtime	1435404	Compilation build number	105
Date of last compilation	11/27/2019 6:23 PM	Date of last download			

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## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]

### Runtime settings

#### General

Start screen	Run	Load name information	Enabled	Default template	
Default style of the project	Enabled	Style of the HMI device	WinCC Dark V 1.0.1	Adapt font size to style	Enabled
Screen resolution	1280, 1024	Full-screen mode	Enabled	Lock task switching	Disabled
Project ID	0	Logging language	Startup language		

#### Services

Sm@rtAccess or service: start Sm@rtServer	Enabled	Operate as OPC server	Disabled	OPC server type	OPC Unified Architecture Server
Sm@rtAccess: SIMATIC HMI HTTP server	Disabled	Sm@rtAccess: Web service (SOAP)	Disabled	Sm@rtService: HTML pages	Disabled
Name of SMTP server		Port	25	Name of the SMTP sender	
SMTP authentication		SMTP login		Secure connection for SMTP	Disabled

#### Screens

Bit selection for appearance analysis	Off	Bit selection for text and graphic lists	Off	Display limit values as a tooltip	Enabled
Show script comments	Enabled	Scrolling mode	Scroll bar		

#### Keyboard

Use screen keyboard	Enabled	Release button on exit	Disabled	Disable dialog window function keys	Disabled
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#### Good Manufacturing Practice

Configuration conforms to GMP	Disabled
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#### Alarms

##### Controller alarms

Buffer overflow	10 %	Acknowledgment group text	QGR	Reporting	Enabled
Use alarm class color	Disabled	Use help texts for system diagnostics	Enabled	System event duration	2 Seconds
S7 diagnostic alarms with numbers only	Disabled	S7 diagnostic alarms with numbers and texts	Disabled	SIMOTION diagnostic alarms	Disabled
Connection	HMI_Connection_1	Display classes	0-16		

#### User administration

Change initial password	Disabled	Change logoff time	Enabled	Enable limit for logon attempts	Enabled
Invalid logon attempts	3	Logon with password	Disabled	Group-specific rights	Disabled
Password aging	Disabled	Validity period	90	Warning period	7
Password generations	3	At least one special character	Disabled	At least one number	Disabled
Minimum password length	3	SIMATIC Logon	Disabled	Apply user administration from	WinDomain
Server name		Port number	16389	Windows domain	
Encrypted SIMATIC Logon	Enabled				

#### Language & font

Preset runtime language	English (United States)
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#### English (United States)

Runtime language	Enabled	Default font	Tahoma, 13 Pixel
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#### OPC settings

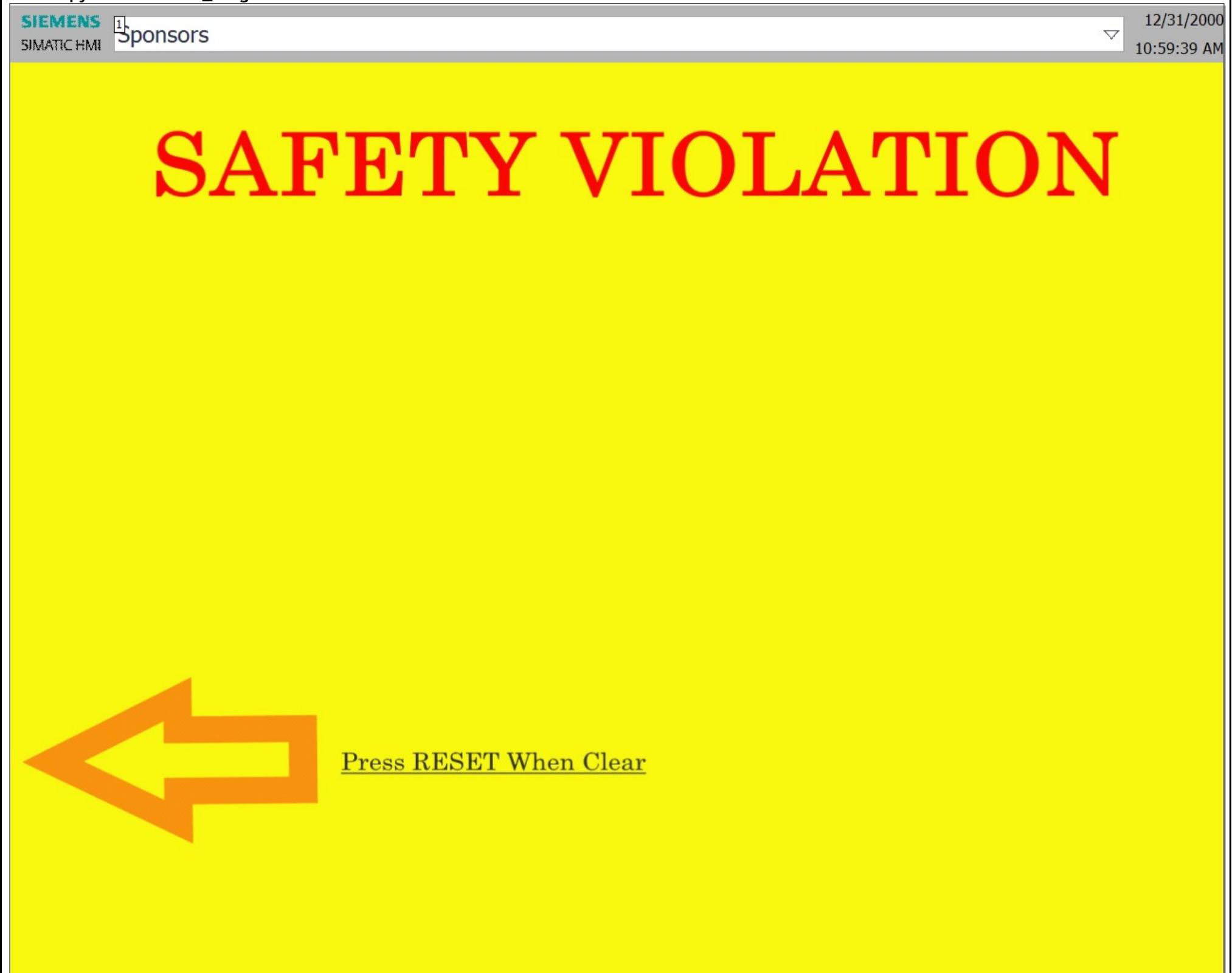
OPC UA server port number	4870	OPC UA server URL	opc.tcp://[HostName]:4870	No OPC UA server security	Enabled
No OPC UA server security	Enabled	OPC UA server with 128-bit RSA cryptographic system	Enabled	OPC UA server with 128-bit RSA cryptographic system without signature	Disabled
OPC UA server with 128-bit RSA cryptographic system for signatures	Disabled	OPC UA server with 128-bit cryptographic system for signatures and encryption	Enabled		

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<b>Tag settings</b>			
Replace the separators on each sub-level of the path of the PLC tag:	Enabled	Compatibility mode: Set '_' between the PLC tags and the first-level element.	Disabled
Use '_' as the replacement character	Enabled	Use ';' as the replacement character	Disabled
Use '{' and '}' as replacement characters	Enabled	Use '(' and ')' as replacement characters	Disabled
<b>Settings for the prefix 'PLC' in the HMI tag name</b>			
Connection	HMI_Connection_1	PLC name as prefix in the HMI tag name	Disabled

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screens

## Pneumatic\_Diag

## Hardcopy of Pneumatic\_Diag



## General

Name	Pneumatic_Diag	Background color	182, 182, 182	Grid color	0, 0, 0
Number	5	Template		Tooltip	
Release button					

## Layers

Active layer	7
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Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Disabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled

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Layer_23		Enabled	
Layer_24		Enabled	
Layer_25		Enabled	
Layer_26		Enabled	
Layer_27		Enabled	
Layer_28		Enabled	
Layer_29		Enabled	
Layer_30		Enabled	
Layer_31		Enabled	
<b>Dynamizations\Event</b>			
Event name	Loaded		
<b>Function list\SetTag</b>			
Tag	Tag_ScreenNumber	Value	5
<b>Dynamizations\Visibility</b>			
Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible		
<b>Graphic view_1</b>			
Type	Graphic view		
<b>General</b>			
Graphic	Pistons_1		
<b>Appearance</b>			
Background color	173, 174, 181	Background fill pattern	Transparent
Use transparent color	Disabled		
Transparent color	255, 0, 255	Border width	0
Line style	Solid		
Border color	0, 0, 0		
<b>Layout</b>			
X position	246	Y position	72
Width	758	Fit embedded graphic object to screen size	Fit graphic to object size
Fit graphic to size	Stretch graphic		
Height	591		
Fit object to contents	Disabled		
<b>Flashing</b>			
Flashing	Disabled		
<b>Miscellaneous</b>			
Name	Graphic view_1	Layer	0 - Layer_0
<b>Graphic view_2</b>			
Type	Graphic view		
<b>General</b>			
Graphic	turret Fire		
<b>Appearance</b>			
Background color	173, 174, 181	Background fill pattern	Transparent
Use transparent color	Disabled		
Transparent color	255, 0, 255	Border width	0
Line style	Solid		
Border color	0, 0, 0		
<b>Layout</b>			
X position	236	Y position	67
Width	800	Fit embedded graphic object to screen size	Fit graphic to object size
Fit graphic to size	Stretch graphic		
Height	600		
Fit object to contents	Disabled		
<b>Flashing</b>			
Flashing	Disabled		
<b>Miscellaneous</b>			
Name	Graphic view_2	Layer	2 - Layer_2
<b>Dynamizations\Visibility</b>			
Tag - Cycle	Turret_Dispenser -	Data type	Bit
Specifies the bit to monitor.	0		
Visibility	Visible		
<b>Graphic view_3</b>			
Type	Graphic view		
<b>General</b>			
Graphic	Mid Fire		
<b>Appearance</b>			
Background color	173, 174, 181	Background fill pattern	Transparent
Use transparent color	Disabled		
Transparent color	255, 0, 255	Border width	0
Line style	Solid		
Border color	0, 0, 0		
<b>Layout</b>			
X position	236	Y position	69
Width	800	Fit embedded graphic object to screen size	Fit graphic to object size
Fit graphic to size	Stretch graphic		
Height	600		
Fit object to contents	Disabled		
<b>Flashing</b>			
Flashing	Disabled		
<b>Miscellaneous</b>			
Name	Graphic view_3	Layer	1 - Layer_1
<b>Dynamizations\Visibility</b>			
Tag - Cycle	Midframe_Dispenser -	Data type	Bit
Specifies the bit to monitor.	0		
Visibility	Visible		

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<b>Graphic view_4</b>					
Type	Graphic view				
General					
Graphic	base Fire				
Appearance					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
Layout					
X position	234	Y position	67	Width	800
Height	600	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
Flashing					
Flashing	Disabled				
Miscellaneous					
Name	Graphic view_4	Layer	3 - Layer_3		
Dynamizations\Visibility					
Tag - Cycle	Base_Dispenser -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_5</b>					
Type	Graphic view				
General					
Graphic	tread Fire				
Appearance					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
Layout					
X position	221	Y position	67	Width	800
Height	600	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
Flashing					
Flashing	Disabled				
Miscellaneous					
Name	Graphic view_5	Layer	4 - Layer_4		
Dynamizations\Visibility					
Tag - Cycle	Tread_Dispenser -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_6</b>					
Type	Graphic view				
General					
Graphic	build Fire				
Appearance					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
Layout					
X position	216	Y position	69	Width	800
Height	600	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
Flashing					
Flashing	Disabled				
Miscellaneous					
Name	Graphic view_6	Layer	5 - Layer_5		
Dynamizations\Visibility					
Tag - Cycle	Build_Block -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Button_1</b>					
Type	Button				
General					
Mode	Invisible	Hotkey	None	Text OFF	Text
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
Appearance					
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
Fill pattern					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142

Totally Integrated Automation Portal									
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103				
Offset gradient 2 (fill pattern)	15								
<b>Design</b>									
Focus width	0	Focus color	148, 182, 231						
<b>Layout</b>									
X position	667	Y position	479	Width	151				
Height	110	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered				
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0				
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0				
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0				
Margin bottom graphic (layout)	0								
<b>Text format</b>									
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered				
Vertical alignment of the text	Middle								
<b>Flashing</b>									
Flashing	Disabled								
<b>Styles/Designs</b>									
Use style/design	Disabled	Style item appearance							
<b>Miscellaneous</b>									
Name	Button_1	Layer	6 - Layer_6	Tooltip					
<b>Security</b>									
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled				
<b>Dynamizations\Event</b>									
Event name	Press								
<b>Function list\SetBit</b>									
Tag	hmi_Activate_Tr								
<b>Dynamizations\Visibility</b>									
Data type	Range	Start range	0	End range	100				
Visibility	Invisible								
<b>Dynamizations\Event</b>									
Event name	Release								
<b>Function list\ResetBit</b>									
Tag	hmi_Activate_Tr								
<b>Button_2</b>									
Type	Button								
<b>General</b>									
Mode	Invisible	Hotkey	None	Text OFF	Text				
Text ON	Text	Text list							
Graphic ON		Graphic list							
Bit number	0								
<b>Appearance</b>									
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3				
Foreground color	255, 255, 255	Border width	2	Line style	Solid				
Border color	71, 73, 87	Border background color	105, 105, 105						
<b>Fill pattern</b>									
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142				
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103				
Offset gradient 2 (fill pattern)	15								
<b>Design</b>									
Focus width	0	Focus color	148, 182, 231						
<b>Layout</b>									
X position	380	Y position	482	Width	151				
Height	110	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered				
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0				
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0				
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0				
Margin bottom graphic (layout)	0								
<b>Text format</b>									
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered				

Totally Integrated Automation Portal					
Vertical alignment of the text	Middle				
Flashing					
Flashing	Disabled				
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Button_2	Layer	6 - Layer_6	Tooltip	
Security					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
Dynamizations\Event					
Event name	Press				
Function list\SetBit					
Tag		hmi_Activate_B			
Dynamizations\Visibility					
Data type	Range	Start range	0	End range	100
Visibility	Invisible				
Dynamizations\Event					
Event name	Release				
Function list\ResetBit					
Tag		hmi_Activate_B			
Button_3					
Type	Button				
General					
Mode	Invisible	Hotkey	None	Text OFF	Text
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
Appearance					
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
Fill pattern					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
Design					
Focus width	0	Focus color	148, 182, 231		
Layout					
X position	320	Y position	343	Width	151
Height	110	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
Text format					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
Flashing					
Flashing	Disabled				
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Button_3	Layer	6 - Layer_6	Tooltip	
Security					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
Dynamizations\Event					
Event name	Press				
Function list\SetBit					
Tag		hmi_Activate_T			
Dynamizations\Visibility					
Data type	Range	Start range	0	End range	100

Totally Integrated Automation Portal			
Visibility	Invisible		
Dynamizations\Event			
Event name	Release		
Function list\ResetBit			
Tag	hmi_Activate_T		
Button_4			
Type	Button		
General			
Mode	Invisible	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
Appearance			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105
Fill pattern			
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		
Design			
Focus width	0	Focus color	148, 182, 231
Layout			
X position	360	Y position	213
Height	124	Fit graphic to size	Stretch graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled
Margin top text (layout)	0	Margin right text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0
Margin bottom graphic (layout)	0	Margin right graphic (layout)	0
Text format			
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal
Vertical alignment of the text	Middle		Horizontal alignment of the text
Flashing			
Flashing	Disabled		
Styles/Designs			
Use style/design	Disabled	Style item appearance	
Miscellaneous			
Name	Button_4	Layer	6 - Layer_6
Security			
Authorization		Allow operator control	Enabled
			Two-hand operation
			Disabled
Dynamizations\Event			
Event name	Press		
Function list\SetBit			
Tag	hmi_Activate_M		
Dynamizations\Visibility			
Data type	Range	Start range	0
Visibility	Invisible		End range
			100
Dynamizations\Event			
Event name	Release		
Function list\ResetBit			
Tag	hmi_Activate_M		
Button_5			
Type	Button		
General			
Mode	Invisible	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
Appearance			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
			Line style
			Solid

Totally Integrated Automation Portal											
Border color	71, 73, 87	Border background color	105, 105, 105								
<b>Fill pattern</b>											
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142						
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103						
Offset gradient 2 (fill pattern)	15										
<b>Design</b>											
Focus width	0	Focus color	148, 182, 231								
<b>Layout</b>											
X position	744	Y position	77	Width	151						
Height	185	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered						
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0						
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0						
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0						
Margin bottom graphic (layout)	0										
<b>Text format</b>											
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered						
Vertical alignment of the text	Middle										
<b>Flashing</b>											
Flashing	Disabled										
<b>Styles/Designs</b>											
Use style/design	Disabled	Style item appearance									
<b>Miscellaneous</b>											
Name	Button_5	Layer	6 - Layer_6	Tooltip							
<b>Security</b>											
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled						
<b>Dynamizations\Event</b>											
Event name	Press										
<b>Function list\SetBit</b>											
Tag	hmi_Activate_BB										
<b>Dynamizations\Visibility</b>											
Data type	Range	Start range	0	End range	100						
Visibility	Invisible										
<b>Dynamizations\Event</b>											
Event name	Release										
<b>Function list\ResetBit</b>											
Tag	hmi_Activate_BB										
<b>Text field_1</b>											
Type	Text field										
<b>General</b>											
Text	MidFrame Dispenser										
<b>Appearance</b>											
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3						
Foreground color	49, 52, 74	Border width	0	Line style	Double line						
Border color	71, 73, 87	Border background color	101, 103, 115								
<b>Layout</b>											
X position	236	Y position	174	Width	218						
Height	29	Left margin	3	Top margin	2						
Right margin	2	Bottom margin	2	Fit object to contents	Enabled						
<b>Text format</b>											
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left						
Vertical alignment	Middle	Line break	Disabled								
<b>Flashing</b>											
Flashing	Disabled										
<b>Styles/Designs</b>											
Use style/design	Disabled	Style item appearance									
<b>Miscellaneous</b>											
Name	Text field_1	Layer	6 - Layer_6								
<b>Text field_2</b>											
Type	Text field										
<b>General</b>											
Text	Turret Dispenser										
<b>Appearance</b>											
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3						

Totally Integrated Automation Portal				
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	109	Y position	376	Width
Height	29	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_2	Layer	6 - Layer_6	
<b>Text field_3</b>				
Type	Text field			
<b>General</b>				
Text	Base Dispenser			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	227	Y position	585	Width
Height	29	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_3	Layer	6 - Layer_6	
<b>Text field_4</b>				
Type	Text field			
<b>General</b>				
Text	Tread Dispenser			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	817	Y position	584	Width
Height	29	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_4	Layer	6 - Layer_6	
<b>Text field_5</b>				
Type	Text field			
<b>General</b>				
Text	Build Block			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	893	Y position	153	Width
Height	29	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left

Totally Integrated Automation Portal					
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Text field_5	Layer	6 - Layer_6		
<b>Gauge_1</b>					
Type	Gauge				
<b>General</b>					
Maximum value	100	Minimum value	0	Process value	50
Label	PSI	Unit text	Unit	Scale gradation	10
<b>Appearance</b>					
Compatibility mode (appearance)	Disabled	Background color	0, 255, 255	Background fill style	Transparent border
Background graphic		Color clock face	101, 103, 115	Dial fill style	Solid
Dial graphic		Inner scale (appear- ance)	Enabled	Color inner scale (ap- pearance)	241, 241, 242
Label color	194, 193, 193	Unit color	194, 193, 193	Scale label color	49, 52, 74
Display decimal pla- ces	Disabled	Display slave pointer	Enabled		
<b>Design</b>					
Border width	0	Style (border)	Solid	Foreground color (border)	56, 58, 72
Background color (border)	255, 255, 255	Corner radius (bor- der)	0	Pointer color	49, 52, 74
Scale marking color	24, 28, 49	Center point color	101, 103, 115		
<b>Layout</b>					
X position	140	Y position	688	Width	200
Height	200	Square aspect	Enabled	Maximum angle	45
Minimum angle	-225	Dial size	1	Center point size	0.12
Scale marking length	0.29	Position of scale marks	0.64	Position of scale mark labeling	0.72
Position of label	0.88	Unit position	0.8	Scale outer distance (layout)	0.9
Scale inner distance (layout)	0.08	Pointer height (lay- out)	0.66		
<b>Text format</b>					
Label font	Tahoma, 9px	Unit font	Tahoma, 11px, style=Bold	Scale label font	Tahoma, 11px, style=Bold
<b>Limits/Ranges</b>					
Show ranges from tag	Disabled	Value range Upper 2	? - 100	Color range high 2	237, 88, 97
Start value Upper 2	85	Show range Upper 2	Enabled	Value range Upper 1	? - ?
Color range high 1	241, 161, 44	Start value Upper 1	70	Show range Upper 1	Enabled
Value range Normal	? - ?	Range Normal color	56, 195, 70	Show range Normal	Enabled
Value range Lower 1	? - ?	Color range low 1	241, 161, 44	Show range Lower 1	Enabled
Value range Lower 2	0 - ?	Color range low 2	237, 88, 97	Show range Lower 2	Enabled
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Gauge_1	Layer	6 - Layer_6		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process Data_AirPressure		
<b>Text field_6</b>					
Type	Text field				
<b>General</b>					
Text	Warning!				
<b>Appearance</b>					
Background color	255, 0, 0	Background fill pat- tern	Transparent	Corner radius (bor- der)	3
Foreground color	255, 102, 0	Border width	0	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		
<b>Layout</b>					
X position	376	Y position	703	Width	122
Height	34	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
<b>Text format</b>					
Font	Tahoma, 25px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Text field_6	Layer	6 - Layer_6		
<b>Text field_7</b>					
Type	Text field				
<b>General</b>					
Text	Do Not Go Above 60 PSI!				

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<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	255, 102, 0	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	374	Y position	748	Width
Height	27	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 19px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_7	Layer	6 - Layer_6	
<b>Rectangle_1</b>				
Type	Rectangle			
<b>Appearance</b>				
Background color	217, 217, 217	Background fill pattern	Solid	Border width
Line style	Solid	Border color	24, 28, 49	1
<b>Layout</b>				
X position	360	Y position	693	Width
Height	99	Round corner width	0	Round corner height
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Rectangle_1	Layer	6 - Layer_6	
<b>Graphic view_13</b>				
Type	Graphic view			
<b>General</b>				
Graphic	SafetyScreen			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color
Transparent color	255, 0, 255	Border width	0	Disabled
Border color	0, 0, 0			Line style
<b>Layout</b>				
X position	0	Y position	0	Width
Height	964	Fit embedded graphic object to screen size	Fit graphic to object size	1277
Fit object to contents	Disabled			Fit graphic to size
<b>Flashing</b>				
Flashing	Disabled			Stretch graphic
<b>Miscellaneous</b>				
Name	Graphic view_13	Layer	12 - Layer_12	
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.
Visibility	Visible			0
<b>Hardcopy of Permanent area</b>				
SIEMENS SIMATIC HMI	1 Sponsors			
				12/31/2000 10:59:39 AM
<b>General</b>				
Name	Permanent area	Background color	182, 182, 182	Grid color
Height	60			0, 0, 0
<b>Layers</b>				
Active layer	0			
Layer_0			Enabled	
Layer_1			Enabled	
Layer_2			Enabled	
Layer_3			Enabled	
Layer_4			Enabled	
Layer_5			Enabled	
Layer_6			Enabled	
Layer_7			Enabled	
Layer_8			Enabled	
Layer_9			Enabled	
Layer_10			Enabled	
Layer_11			Enabled	
Layer_12			Enabled	
Layer_13			Enabled	

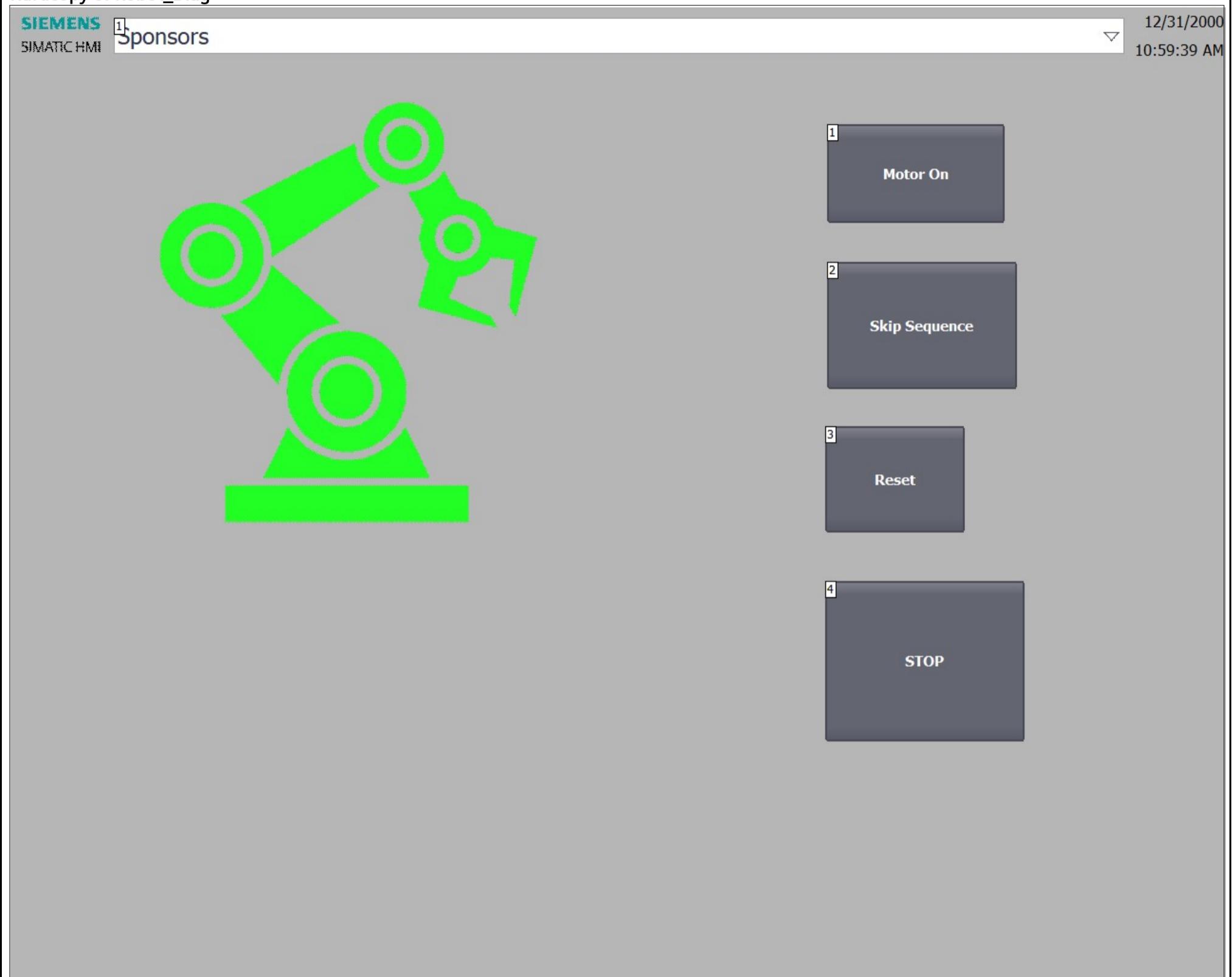
Totally Integrated Automation Portal			
Layer_14		Enabled	
Layer_15		Enabled	
Layer_16		Enabled	
Layer_17		Enabled	
Layer_18		Enabled	
Layer_19		Enabled	
Layer_20		Enabled	
Layer_21		Enabled	
Layer_22		Enabled	
Layer_23		Enabled	
Layer_24		Enabled	
Layer_25		Enabled	
Layer_26		Enabled	
Layer_27		Enabled	
Layer_28		Enabled	
Layer_29		Enabled	
Layer_30		Enabled	
Layer_31		Enabled	
<b>Symbolic_IO_Field_Screen</b>			
Type	Symbolic I/O field		
<b>General</b>			
Process value	0	Bit number	0
Value status ON	1	Text OFF	0
Text list	TextList_ScreenNames	Number of visible items	5
<b>Appearance</b>			
Background color	255, 255, 255	Background fill pattern	Solid
Border width	1	Line style	Solid
Border background color	226, 225, 225		
<b>Design</b>			
Foreground color of selection	255, 255, 255	Background color of selection	162, 204, 213
<b>Layout</b>			
X position	109	Y position	11
Height	38	Left margin	3
Right margin	2	Bottom margin	2
Display selection list	Enabled	Show selection field	Enabled
<b>Text format</b>			
Font	Tahoma, 24px	Orientation	Horizontal
Vertical alignment	Middle		
<b>Flashing</b>			
Flashing	Disabled	Flash on limit violation	Disabled
<b>Limits</b>			
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44
<b>Styles/Designs</b>			
Use style/design	Disabled	Style item appearance	
<b>Miscellaneous</b>			
Name	Symbolic_IO_Field_Screen	Layer	0 - Layer_0
<b>Security</b>			
Authorization		Allow operator control	Enabled
<b>Dynamizations\Tag connection</b>			
Property name	Process value	Tag	Tag_ScreenNumber
<b>Dynamizations\Event</b>			
Event name		Change	
<b>Function list\ActivateScreenByNumber</b>			
Screen number	Tag_ScreenNumber	Object number	1
<b>HmiScreenItemData</b>			
Type	Date/time field		
<b>General</b>			
Long date/time format	Disabled	Display system time	Enabled
Show date	Disabled	Show time	Enabled
<b>Appearance</b>			
Foreground color	0, 0, 0	Background color	255, 255, 255
Corner radius (border)	3	Border width	0
Border color	156, 154, 165	Border background color	226, 225, 225
<b>Layout</b>			
X position	1175	Y position	30
Height	30	Left margin	3
Right margin	2	Bottom margin	2
<b>Text format</b>			
Font	Tahoma, 16px	Orientation	Horizontal
Vertical alignment	Middle		

Totally Integrated Automation Portal				
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	HmiScreenItemData	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>HmiScreenItemData_1</b>				
Type	Date/time field			
<b>General</b>				
Long date/time format	Disabled	Display system time	Enabled	Process value
Show date	Enabled	Show time	Disabled	Mode
<b>Appearance</b>				
Foreground color	0, 0, 0	Background color	255, 255, 255	Background fill pattern
Corner radius (border)	3	Border width	0	Line style
Border color	156, 154, 165	Border background color	226, 225, 225	
<b>Layout</b>				
X position	1175	Y position	0	Width
Height	30	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 16px	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle			Right
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	HmiScreenItemData_1	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Logo</b>				
Type	Graphic view			
<b>General</b>				
Graphic	Logo of PC-System_1			
<b>Appearance</b>				
Background color	222, 219, 222	Background fill pattern	Transparent	Use transparent color
Transparent color	255, 0, 255	Border width	0	Line style
Border color	0, 0, 0			Solid
<b>Layout</b>				
X position	0	Y position	0	Width
Height	60	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size
Fit object to contents	Disabled			Stretch graphic
<b>Flashing</b>				
Flashing	Disabled			
<b>Miscellaneous</b>				
Name	Logo	Layer	0 - Layer_0	

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screens

## Robot\_Diag

## Hardcopy of Robot\_Diag



## General

Name	Robot_Diag	Background color	182, 182, 182	Grid color	0, 0, 0
Number	4	Template		Tooltip	
Release button					

## Layers

Active layer	2
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Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Disabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled

Totally Integrated Automation Portal					
Layer_23		Enabled			
Layer_24		Enabled			
Layer_25		Enabled			
Layer_26		Enabled			
Layer_27		Enabled			
Layer_28		Enabled			
Layer_29		Enabled			
Layer_30		Enabled			
Layer_31		Enabled			
Dynamizations\Event					
Event name	Loaded				
Function list\SetTag					
Tag	Tag_ScreenNumber	Value	4		
Graphic view_1					
Type	Graphic view				
General					
Graphic	261-2615182_clip-art-robot-arm-icon-robot-arm-png				
Appearance					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
Layout					
X position	8	Y position	8	Width	716
Height	523	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
Flashing					
Flashing	Disabled				
Miscellaneous					
Name	Graphic view_1	Layer	0 - Layer_0		
Graphic view_2					
Type	Graphic view				
General					
Graphic	roboto				
Appearance					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
Layout					
X position	8	Y position	8	Width	716
Height	523	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
Flashing					
Flashing	Disabled				
Miscellaneous					
Name	Graphic view_2	Layer	1 - Layer_1		
Dynamizations\Visibility					
Tag - Cycle	Start_Robot -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
Button_1					
Type	Button				
General					
Mode	Text	Hotkey	None	Text OFF	Motor On
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
Appearance					
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
Fill pattern					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
Design					
Focus width	2	Focus color	148, 182, 231		
Layout					
X position	860	Y position	63	Width	187
Height	104	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered

Totally Integrated Automation Portal					
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)	0
Margin top text (lay- out)	0	Margin right text (lay- out)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
Flashing					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Button_1	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator con- trol	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Event</b>					
Event name		Press			
<b>Function list\SetBit</b>					
Tag		Program Start			
<b>Button_2</b>					
Type	Button				
<b>General</b>					
Mode	Text	Hotkey	None	Text OFF	Skip Sequence
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
<b>Appearance</b>					
Background color	99, 101, 113	Background fill pat- tern	Vertical gradient	Corner radius (bor- der)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
<b>Fill pattern</b>					
Background color gra- dient (fill pattern)	99, 101, 113	Gradient 1 (fill pat- tern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pat- tern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	860	Y position	208	Width	200
Height	134	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)	0
Margin top text (lay- out)	0	Margin right text (lay- out)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
Flashing					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Button_2	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator con- trol	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Event</b>					
Event name		Press			
<b>Function list\SetBit</b>					
Tag		Execute			
<b>Dynamizations\Event</b>					
Event name		Release			

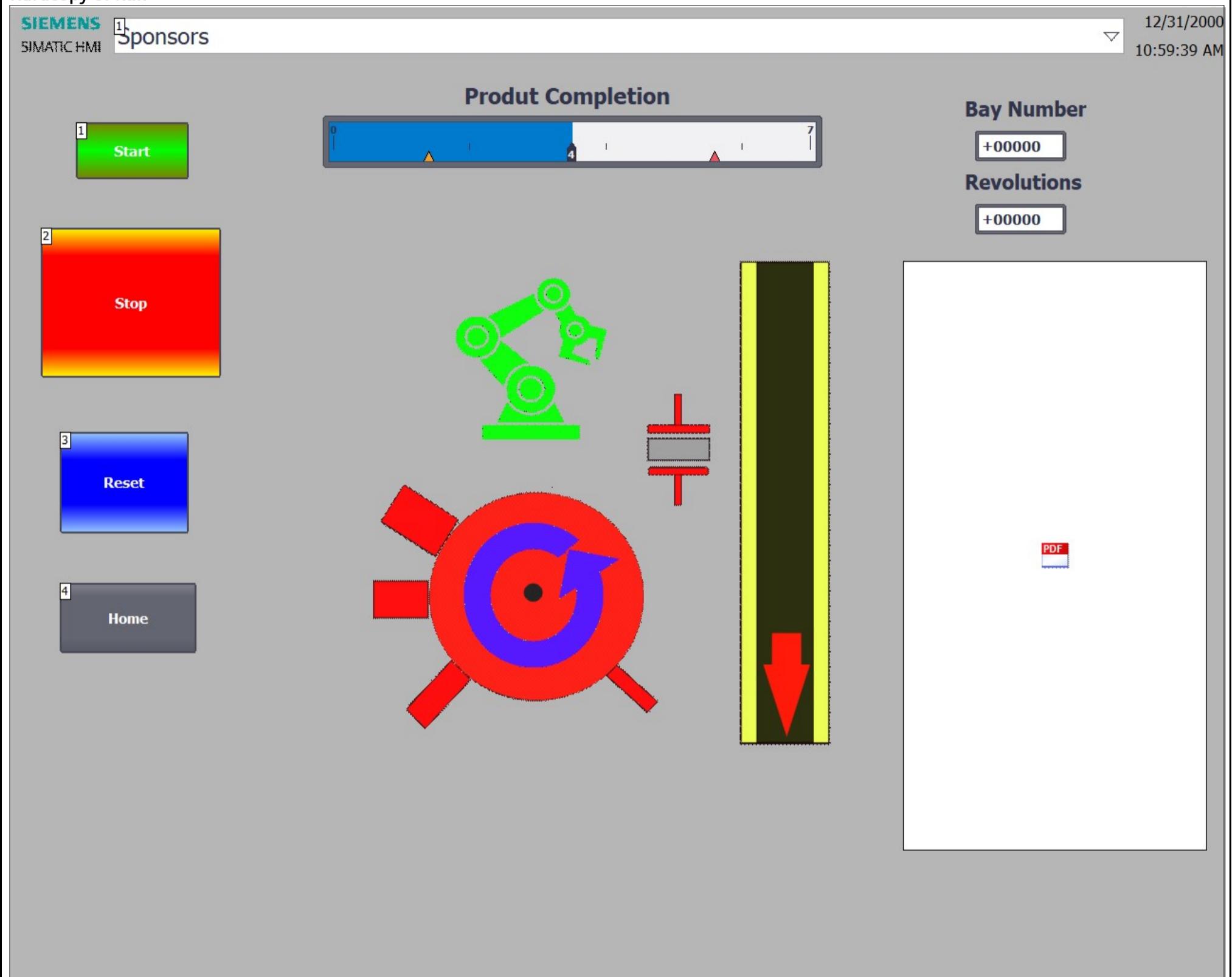
Totally Integrated Automation Portal			
<b>Function list\ResetBit</b>			
Tag		Execute	
<b>Button_3</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		
<b>Design</b>			
Focus width	2	Focus color	148, 182, 231
<b>Layout</b>			
X position	858	Y position	381
Height	112	Fit graphic to size	Stretch graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled
Margin top text (layout)	0	Margin right text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0
Margin bottom graphic (layout)	0		
<b>Text format</b>			
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal
Vertical alignment of the text	Middle		Horizontal alignment of the text
<b>Flashing</b>			
Flashing	Disabled		
<b>Styles/Designs</b>			
Use style/design	Disabled	Style item appearance	
<b>Miscellaneous</b>			
Name	Button_3	Layer	0 - Layer_0
<b>Security</b>			
Authorization		Allow operator control	Enabled
			Two-hand operation
			Disabled
<b>Dynamizations\Event</b>			
Event name		Press	
<b>Function list\SetBit</b>			
Tag		Error Reset	
<b>Dynamizations\Event</b>			
Event name		Release	
<b>Function list\ResetBit</b>			
Tag		Error Reset	
<b>Button_4</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		

Totally Integrated Automation Portal					
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	858	Y position	544	Width	210
Height	169	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)	0
Margin top text (lay- out)	0	Margin right text (lay- out)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Button_4	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator con- trol	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Event</b>					
Event name		Press			
<b>Function list\SetBit</b>					
Tag		Stop Robot			
<b>Function list\ResetBit</b>					
Tag		Program Start			
<b>Dynamizations\Event</b>					
Event name		Release			
<b>Function list\ResetBit</b>					
Tag		Stop Robot			
<b>Graphic view_13</b>					
Type	Graphic view				
<b>General</b>					
Graphic	SafetyScreen				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pat- tern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	0	Y position	0	Width	1277
Height	964	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_13	Layer	12 - Layer_12		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screens

## Run

## Hardcopy of Run



## General

Name	Run	Background color	182, 182, 182	Grid color	0, 0, 0
Number	3	Template		Tooltip	
Release button					

## Layers

Active layer	0
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Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Disabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled

Totally Integrated Automation Portal			
Layer_23		Enabled	
Layer_24		Enabled	
Layer_25		Enabled	
Layer_26		Enabled	
Layer_27		Enabled	
Layer_28		Enabled	
Layer_29		Enabled	
Layer_30		Enabled	
Layer_31		Enabled	
<b>Dynamizations\Event</b>			
Event name		Loaded	
<b>Function list\SetTag</b>			
Tag	Tag_ScreenNumber	Value	3
<b>Button_1</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	0, 255, 0	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	30	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	30		
<b>Design</b>			
Focus width	2	Focus color	148, 182, 231
<b>Layout</b>			
X position	69	Y position	61
Height	60	Fit graphic to size	Stretch graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled
Margin top text (layout)	0	Margin right text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0
Margin bottom graphic (layout)	0		
<b>Text format</b>			
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal
Vertical alignment of the text	Middle		
<b>Flashing</b>			
Flashing	Disabled		
<b>Styles/Designs</b>			
Use style/design	Disabled	Style item appearance	
<b>Miscellaneous</b>			
Name	Button_1	Layer	0 - Layer_0
<b>Security</b>			
Authorization		Allow operator control	Enabled
			Two-hand operation
			Disabled
<b>Dynamizations\Event</b>			
Event name		Press	
<b>Function list\SetBit</b>			
Tag		Start	
<b>Dynamizations\Event</b>			
Event name		Release	
<b>Function list\ResetBit</b>			
Tag		Start	
<b>Button_2</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		

Totally Integrated Automation Portal				
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pat- tern	Vertical gradient	Corner radius (bor- der)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	Solid
<b>Fill pattern</b>				
Background color gra- dient (fill pattern)	255, 0, 0	Gradient 1 (fill pat- tern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	30	Gradient 2 (fill pat- tern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	30			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	32	Y position	172	Width
Height	158	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)
Margin top text (lay- out)	0	Margin right text (lay- out)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appear- ance		
<b>Miscellaneous</b>				
Name	Button_2	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator con- trol	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\SetBit</b>				
Tag		Stop		
<b>Function list\ResetBit</b>				
Tag		Home		
<b>Function list\SetBit</b>				
Tag		Stop Robot		
<b>Dynamizations\Event</b>				
Event name		Release		
<b>Function list\ResetBit</b>				
Tag		Stop		
<b>Function list\ResetBit</b>				
Tag		Stop Robot		
<b>Button_3</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pat- tern	Vertical gradient	Corner radius (bor- der)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	Solid
<b>Fill pattern</b>				
Background color gra- dient (fill pattern)	0, 0, 255	Gradient 1 (fill pat- tern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	30	Gradient 2 (fill pat- tern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	30			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	

Totally Integrated Automation Portal					
<b>Layout</b>					
X position	52	Y position	387	Width	136
Height	107	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Button_3	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Event</b>					
Event name		Press			
<b>Function list\SetBit</b>					
Tag		Reset			
<b>Dynamizations\Event</b>					
Event name		Release			
<b>Function list\ResetBit</b>					
Tag		Reset			
<b>I/O field_1</b>					
Type	I/O field				
<b>General</b>					
Process value		Mode	Output	Display format	Decimal
Shift decimal point	0	Field length	5	Show leading zeros	Disabled
Format pattern	s99999				
<b>Appearance</b>					
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius	3
Foreground color	49, 52, 74	Unit		Border width	4
Line style	Double line	Border color	71, 73, 87	Border background color	101, 103, 115
<b>Characteristics</b>					
Hidden input	Disabled				
<b>Layout</b>					
X position	1016	Y position	70	Width	96
Height	32	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
<b>Flashing</b>					
Flashing	Disabled	Flash on limit violation	Disabled		
<b>Limits</b>					
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44		
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	I/O field_1	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Bay_Number		
<b>Text field_1</b>					
Type	Text field				
<b>General</b>					
Text	Bay Number				
<b>Appearance</b>					
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	0	Line style	Double line

Totally Integrated Automation Portal							
Border color	71, 73, 87	Border background color	101, 103, 115				
<b>Layout</b>							
X position	1002	Y position	32	Width	133		
Height	29	Left margin	3	Top margin	2		
Right margin	2	Bottom margin	2	Fit object to contents			
<b>Text format</b>							
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left		
Vertical alignment	Middle	Line break	Disabled				
<b>Flashing</b>							
Flashing	Disabled						
<b>Styles/Designs</b>							
Use style/design	Disabled	Style item appearance					
<b>Miscellaneous</b>							
Name	Text field_1	Layer	0 - Layer_0				
<b>Bar_1</b>							
Type	Bar						
<b>General</b>							
Maximum value	7	Minimum value	0	Process value	0		
<b>Appearance</b>							
Foreground color	0, 122, 204	Background color of bar	0, 255, 255	Segment coloring	Entire bar		
Background color	241, 241, 242	Background fill pattern	Solid	Color of scale	49, 52, 74		
Limit lines (layout)	Disabled	Limit marking (layout)	Enabled				
<b>Border type</b>							
Compatibility mode (appearance)	Disabled	Border width	7	Border color	71, 73, 87		
Border background color	101, 103, 115	Line style	Double line	Bar edge style	Solid		
Corner radius (border)	4						
<b>Scales</b>							
Show scale	Enabled	Auto-scale	Disabled	Divisions	5		
Large mark labeling	2	Scale gradation	10				
<b>Label</b>							
Show scale marks	Enabled	Show "+" for positive numbers	Disabled	Use exponential format	Disabled		
Double-lined scale label	Disabled	Unit					
Decimal places	0	Process tag	Enabled				
<b>Layout</b>							
X position	329	Y position	54	Width	526		
Height	55	Inner dimensions width	1	Inner dimensions height	1		
Scale position	Left/up	Bar orientation	Right				
<b>Text format</b>							
Font	Tahoma, 11px, style=Bold						
<b>Flashing</b>							
Flashing	Disabled	Flash on limit violation	Disabled				
<b>Limits/Ranges</b>							
Color range high 2	237, 88, 97	Show range Upper 2	Enabled	Color range low 2	241, 161, 44		
Show range Lower 2	Enabled	Color range high 1	241, 161, 44	Show range Upper 1	Enabled		
Color range low 1	241, 161, 44	Show range Lower 1	Enabled	Value range Lower 2	0 - ?		
Value range Upper 2	? - 7	Range Normal color	56, 195, 70	Show range Normal	Enabled		
Value range Normal	? - ?	Show ranges from tag	Disabled	Value range Lower 1	? - ?		
Value range Upper 1	? - ?						
<b>Styles/Designs</b>							
Use style/design	Disabled	Style item appearance					
<b>Miscellaneous</b>							
Name	Bar_1	Layer	0 - Layer_0				
<b>Dynamizations\Tag connection</b>							
Property name	Process value	Tag	Bay_Number				
<b>Text field_5</b>							
Type	Text field						
<b>General</b>							
Text	Product Completion						
<b>Appearance</b>							
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3		
Foreground color	49, 52, 74	Border width	0	Line style	Double line		
Border color	71, 73, 87	Border background color	101, 103, 115				
<b>Layout</b>							
X position	475	Y position	17	Width	222		
Height	32	Left margin	3	Top margin	2		
Right margin	2	Bottom margin	2	Fit object to contents	Enabled		
<b>Text format</b>							
Font	Tahoma, 23px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left		
Vertical alignment	Middle	Line break	Disabled				

Totally Integrated Automation Portal				
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_5	Layer	0 - Layer_0	
<b>Graphic view_1</b>				
Type	Graphic view			
<b>General</b>				
Graphic	system			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
<b>Layout</b>				
X position	335	Y position	202	Width 618
Height	547	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
<b>Flashing</b>				
Flashing	Disabled			
<b>Miscellaneous</b>				
Name	Graphic view_1	Layer	0 - Layer_0	
<b>Graphic view_2</b>				
Type	Graphic view			
<b>General</b>				
Graphic	Mid Fire			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
<b>Layout</b>				
X position	298	Y position	335	Width 550
Height	417	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
<b>Flashing</b>				
Flashing	Disabled			
<b>Miscellaneous</b>				
Name	Graphic view_2	Layer	1 - Layer_1	
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Midframe_Dispenser -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_3</b>				
Type	Graphic view			
<b>General</b>				
Graphic	base Fire			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
<b>Layout</b>				
X position	291	Y position	304	Width 573
Height	457	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
<b>Flashing</b>				
Flashing	Disabled			
<b>Miscellaneous</b>				
Name	Graphic view_3	Layer	2 - Layer_2	
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Base_Dispenser -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_4</b>				
Type	Graphic view			
<b>General</b>				
Graphic	turret Fire			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
<b>Layout</b>				
X position	292	Y position	327	Width 576

Totally Integrated Automation Portal				
Height	432	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
Flashing	Flashing			
Miscellaneous				
Name	Graphic view_4	Layer	3 - Layer_3	
Dynamizations\Visibility				
Tag - Cycle	Turret_Dispenser -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_5</b>				
Type	Graphic view			
General				
Graphic	tread Fire			
Appearance				
Background color	173, 174, 181	Background fill pat- tern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
Layout				
X position	273	Y position	325	Width 580
Height	427	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
Flashing	Flashing			
Miscellaneous				
Name	Graphic view_5	Layer	4 - Layer_4	
Dynamizations\Visibility				
Tag - Cycle	Tread_Dispenser -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_6</b>				
Type	Graphic view			
General				
Graphic	build Fire			
Appearance				
Background color	173, 174, 181	Background fill pat- tern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
Layout				
X position	270	Y position	337	Width 580
Height	423	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
Flashing	Flashing			
Miscellaneous				
Name	Graphic view_6	Layer	5 - Layer_5	
Dynamizations\Visibility				
Tag - Cycle	Build_Block -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_7</b>				
Type	Graphic view			
General				
Graphic	systemto			
Appearance				
Background color	173, 174, 181	Background fill pat- tern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
Layout				
X position	328	Y position	203	Width 643
Height	545	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
Flashing	Flashing			
Miscellaneous				
Name	Graphic view_7	Layer	6 - Layer_6	
Dynamizations\Visibility				
Tag - Cycle	VFD_ON -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			
<b>Graphic view_8</b>				
Type	Graphic view			
General				
Graphic	systemtt_1			

Totally Integrated Automation Portal					
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	328	Y position	203	Width	643
Height	545	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_8	Layer	7 - Layer_7		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	clockwise -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_9</b>					
Type	Graphic view				
<b>General</b>					
Graphic	systemtr_1				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	328	Y position	203	Width	643
Height	545	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_9	Layer	8 - Layer_8		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	counterclockwise -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_10</b>					
Type	Graphic view				
<b>General</b>					
Graphic	systemr				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	335	Y position	202	Width	619
Height	546	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_10	Layer	9 - Layer_9		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	Start_Robot -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_11</b>					
Type	Graphic view				
<b>General</b>					
Graphic	systemcf				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	337	Y position	202	Width	616
Height	546	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_11	Layer	10 - Layer_10		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	Fdir -	Data type	Bit	Specifies the bit to monitor.	0

Totally Integrated Automation Portal								
Visibility	Visible							
<b>Graphic view_12</b>								
<b>Type</b> Graphic view								
<b>General</b>								
Graphic	systemcr							
<b>Appearance</b>								
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled				
Transparent color	255, 0, 255	Border width	0	Line style Solid				
Border color	0, 0, 0							
<b>Layout</b>								
X position	337	Y position	202	Width 616				
Height	546	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic				
Fit object to contents	Disabled							
<b>Flashing</b>								
Flashing	Disabled							
<b>Miscellaneous</b>								
Name	Graphic view_12	Layer	11 - Layer_11					
<b>Dynamizations\Visibility</b>								
Tag - Cycle	Rdir -	Data type	Bit	Specifies the bit to monitor. 0				
Visibility	Visible							
<b>Graphic view_13</b>								
Type	Graphic view							
<b>General</b>								
Graphic	SafetyScreen							
<b>Appearance</b>								
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled				
Transparent color	255, 0, 255	Border width	0	Line style Solid				
Border color	0, 0, 0							
<b>Layout</b>								
X position	0	Y position	0	Width 1277				
Height	964	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic				
Fit object to contents	Disabled							
<b>Flashing</b>								
Flashing	Disabled							
<b>Miscellaneous</b>								
Name	Graphic view_13	Layer	12 - Layer_12					
<b>Dynamizations\Visibility</b>								
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor. 0				
Visibility	Visible							
<b>Button_4</b>								
Type	Button							
<b>General</b>								
Mode	Text	Hotkey	None	Text OFF Home				
Text ON	Text	Text list		Graphic OFF				
Graphic ON		Graphic list		Process value				
Bit number	0							
<b>Appearance</b>								
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border) 3				
Foreground color	255, 255, 255	Border width	2	Line style Solid				
Border color	71, 73, 87	Border background color	105, 105, 105					
<b>Fill pattern</b>								
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern) 131, 132, 142				
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern) 88, 90, 103				
Offset gradient 2 (fill pattern)	15							
<b>Design</b>								
Focus width	2	Focus color	148, 182, 231					
<b>Layout</b>								
X position	52	Y position	546	Width 144				
Height	74	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic Centered				
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout) 0				
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout) 0				
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout) 0				
Margin bottom graphic (layout)	0							
<b>Text format</b>								
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text Centered				
Vertical alignment of the text	Middle							

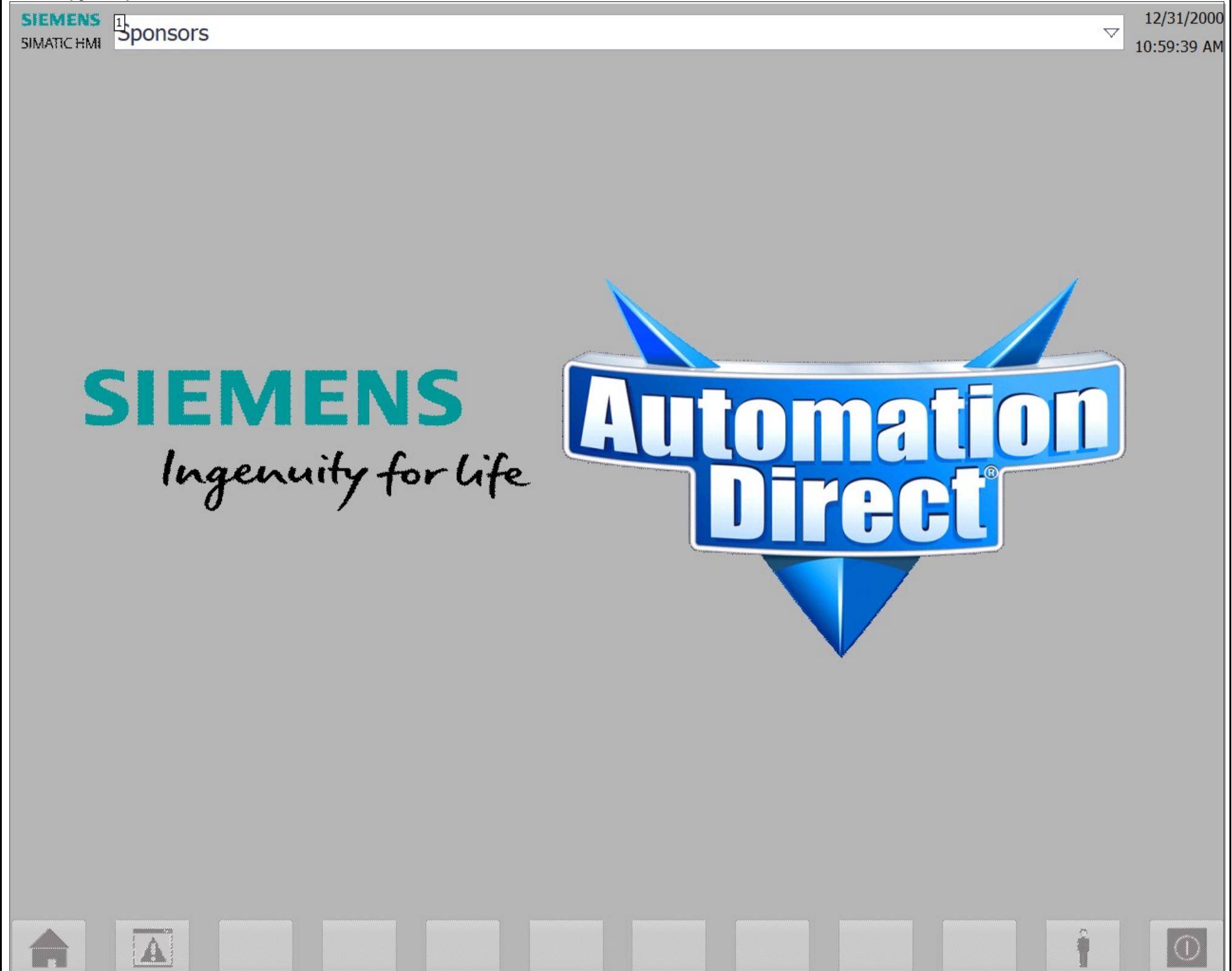
Totally Integrated Automation Portal				
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_4	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\SetBit</b>				
Tag		Home		
<b>PDFView_1</b>				
Type	PDFView			
<b>General</b>				
PDF file name	C:\Users\abondar\Documents\Automation\SeniorDesign\Documentation\Setup.pdf			
<b>Layout</b>				
X position	940	Y position	207	Width
Height	621			320
<b>Toolbar</b>				
Search	Enabled	Copy	Enabled	Zoom
<b>Miscellaneous</b>				
Name	PDFView_1	Layer	0 - Layer_0	
<b>Security</b>				
Allow operator control	Enabled			
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.
Visibility	Invisible			0
<b>I/O field_2</b>				
Type	I/O field			
<b>General</b>				
Process value		Mode	Output	Display format
Shift decimal point	0	Field length	5	Decimal
Format pattern	s99999			Show leading zeros
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius
Foreground color	49, 52, 74	Unit		3
Line style	Double line	Border color	71, 73, 87	Border width
				Border background color
<b>Characteristics</b>				
Hidden input	Disabled			
<b>Layout</b>				
X position	1016	Y position	147	Width
Height	32	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled	Flash on limit violation	Disabled	
<b>Limits</b>				
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44	
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	I/O field_2	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Process Data_Rotations	
<b>Text field_2</b>				
Type	Text field			
<b>General</b>				
Text	Revolutions			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line

Totally Integrated Automation Portal					
<b>Layout</b>					
X position	1002	Y position	109	Width	128
Height	29	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
<b>Text format</b>					
Font	Tahoma, 21px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appear- ance			
<b>Miscellaneous</b>					
Name	Text field_2	Layer	0 - Layer_0		

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screens

## Sponsors

## Hardcopy of Sponsors



## General

Name	Sponsors	Background color	182, 182, 182	Grid color	0, 0, 0
Number	1	Template	Template_1	Tooltip	
Release button					

## Layers

Active layer	1
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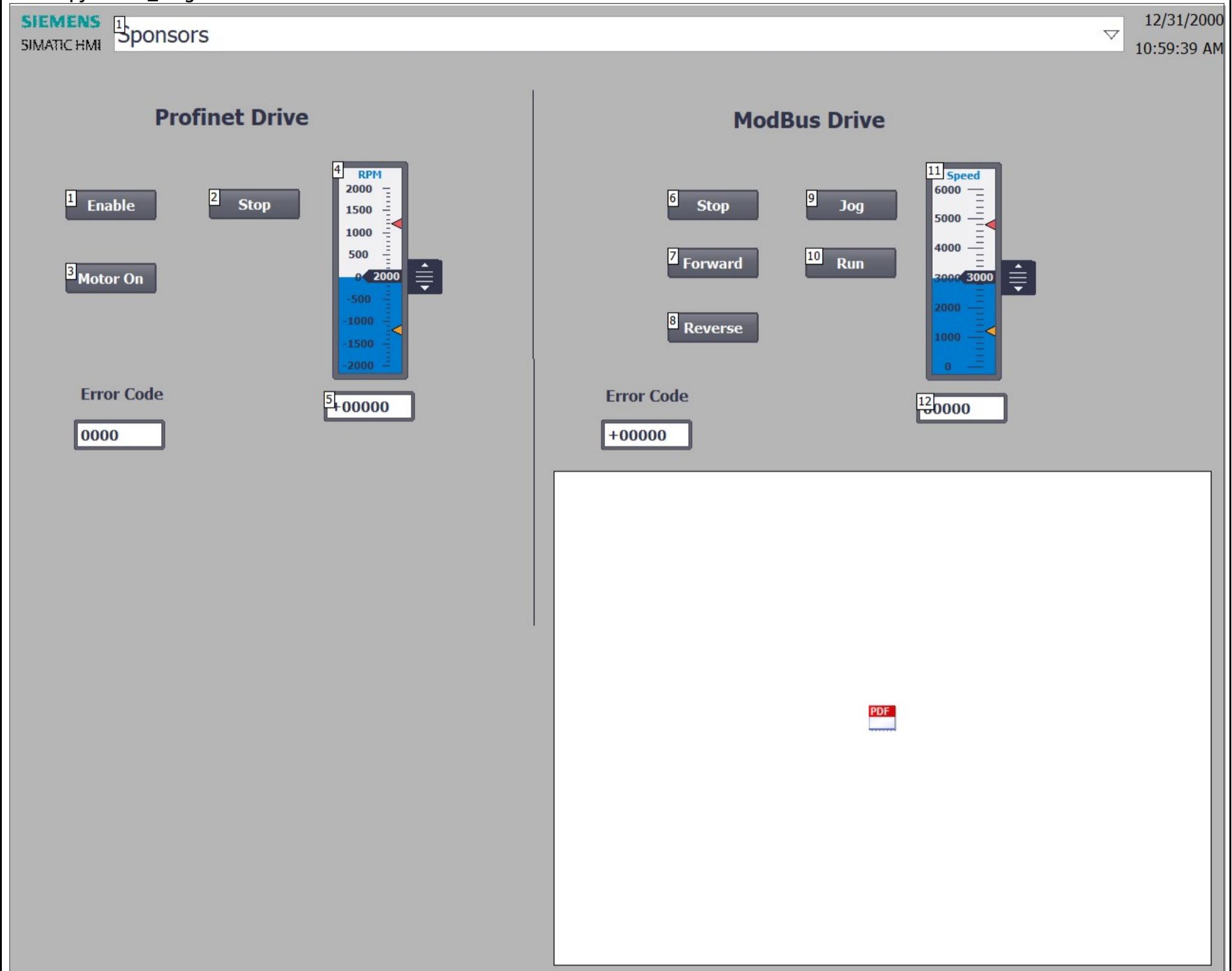
Layer_0	Enabled
Layer_1	Enabled
Layer_2	Disabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Disabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled

Totally Integrated Automation Portal					
Layer_23	Enabled				
Layer_24	Enabled				
Layer_25	Enabled				
Layer_26	Enabled				
Layer_27	Enabled				
Layer_28	Enabled				
Layer_29	Enabled				
Layer_30	Enabled				
Layer_31	Enabled				
<b>Dynamizations\Event</b>					
Event name	Loaded				
<b>Function list\SetTag</b>					
Tag	Tag_ScreenNumber	Value			
		1			
<b>Dynamizations\Visibility</b>					
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Invisible				
<b>Graphic view_13</b>					
Type	Graphic view				
<b>General</b>					
Graphic	SafetyScreen				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	0	Y position	0	Width	1277
Height	964	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_13	Layer	2 - Layer_2		
<b>Dynamizations\Visibility</b>					
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.	0
Visibility	Visible				
<b>Graphic view_1</b>					
Type	Graphic view				
<b>General</b>					
Graphic	Siemens				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	78	Y position	325	Width	470
Height	149	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_1	Layer	1 - Layer_1		
<b>Graphic view_2</b>					
Type	Graphic view				
<b>General</b>					
Graphic	Automation Direct				
<b>Appearance</b>					
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				
<b>Layout</b>					
X position	568	Y position	223	Width	620
Height	411	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Graphic view_2	Layer	1 - Layer_1		

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screens

## VFD\_Diag

## Hardcopy of VFD\_Diag



## General

Name	VFD_Diag	Background color	182, 182, 182	Grid color	0, 0, 0
Number	2	Template		Tooltip	
Release button					

## Layers

Active layer	0
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Layer_0	Enabled
Layer_1	Disabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled

Totally Integrated Automation Portal			
Layer_23		Enabled	
Layer_24		Enabled	
Layer_25		Enabled	
Layer_26		Enabled	
Layer_27		Enabled	
Layer_28		Enabled	
Layer_29		Enabled	
Layer_30		Enabled	
Layer_31		Enabled	
<b>Dynamizations\Event</b>			
Event name	Loaded		
<b>Function list\SetTag</b>			
Tag	Tag_ScreenNumber	Value	2
<b>Button_1</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		
<b>Design</b>			
Focus width	2	Focus color	148, 182, 231
<b>Layout</b>			
X position	58	Y position	134
Height	32	Fit graphic to size	Stretch graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled
Margin top text (layout)	0	Margin right text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0
Margin bottom graphic (layout)	0		
<b>Text format</b>			
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal
Vertical alignment of the text	Middle		
<b>Flashing</b>			
Flashing	Disabled		
<b>Styles/Designs</b>			
Use style/design	Disabled	Style item appearance	
<b>Miscellaneous</b>			
Name	Button_1	Layer	0 - Layer_0
<b>Security</b>			
Authorization		Allow operator control	Enabled
			Two-hand operation
			Disabled
<b>Dynamizations\Event</b>			
Event name	Press		
<b>Function list\SetBit</b>			
Tag	Drive_On		
<b>Button_3</b>			
Type	Button		
<b>General</b>			
Mode	Text	Hotkey	None
Text ON	Text	Text list	
Graphic ON		Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	99, 101, 113	Background fill pattern	Vertical gradient
Foreground color	255, 255, 255	Border width	2
Border color	71, 73, 87	Border background color	105, 105, 105

Totally Integrated Automation Portal				
<b>Fill pattern</b>				
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	209	Y position	133	Width
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_3	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\ResetBit</b>				
Tag		Drive_On		
<b>Function list\ResetBit</b>				
Tag		Run		
<b>Button_4</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	Solid
<b>Fill pattern</b>				
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	58	Y position	211	Width
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			

Totally Integrated Automation Portal				
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_4	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\SetBit</b>				
Tag		Run		
<b>Slider_1</b>				
Type	Slider			
<b>General</b>				
Maximum value	2000	Minimum value	-2000	Process value
Label	RPM			0
<b>Appearance</b>				
Compatibility mode (appearance)	Disabled	Object caption color	0, 122, 204	Background color
Background fill style	Solid	Background graphic		241, 241, 242
Bar color	214, 215, 218	Background color of bar	49, 49, 74	Slider graphic
Scale label color	49, 52, 74	Mark style	Normal	Slider background color
Focus width	2	Limit lines (layout)	Disabled	Focus color
				148, 182, 231
				Limit marking (layout)
				Enabled
<b>Border</b>				
Outside width	2	Border width	7	Inside width
Illuminated	255, 255, 255	Shadow	128, 128, 128	2
Inner 3D border style	Relief	Style (border)	Double line	Outside style
Background color (border)	101, 103, 115	Corner radius (border)	4	Emboss
<b>Layout</b>				
X position	339	Y position	104	Width
Height	230	Position scale (layout)	Left/up	Bar orientation
Show current value	Enabled	Show thumbnail slider	Enabled	Show bar
Display labeling of scale marks	Enabled	Display scale marks	Enabled	
<b>Text format</b>				
Font	Tahoma, 11px, style=Bold	Label font	Tahoma, 15px, style=Bold	
<b>Flashing</b>				
Flashing	Disabled			
<b>Limits/Ranges</b>				
Show ranges from tag	Disabled	Value range Upper 2	? - 2000	Color range high 2
Show range Upper 2	Enabled	Value range Upper 1	? - ?	237, 88, 97
Show range Upper 1	Enabled	Value range Normal	? - ?	Color range high 1
Show range Normal	Enabled	Value range Lower 1	? - ?	241, 161, 44
Show range Lower 1	Enabled	Value range Lower 2	-2000 - ?	Range Normal color
Show range Lower 2	Enabled			56, 195, 70
				Color range low 1
				241, 161, 44
				Color range low 2
				241, 161, 44
<b>Scales</b>				
Scale (layout)	Enabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Slider_1	Layer	0 - Layer_0	
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Speed	
<b>I/O field_1</b>				
Type	I/O field			
<b>General</b>				
Process value		Mode	Input/output	Display format
Shift decimal point	0	Field length	5	Decimal
Format pattern	s99999			Show leading zeros
				Disabled
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius
Foreground color	49, 52, 74	Unit		3
Line style	Double line	Border color	71, 73, 87	Border width
				4
				Border background color
				101, 103, 115
<b>Characteristics</b>				
Hidden input	Disabled			
<b>Layout</b>				
X position	330	Y position	346	Width
Height	32	Left margin	3	96
Right margin	2	Bottom margin	2	Top margin
				2
				Fit object to contents
				Disabled

Totally Integrated Automation Portal				
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment Left
Vertical alignment	Middle	Line break	Disabled	
<b>Flashing</b>				
Flashing	Disabled	Flash on limit violation	Disabled	
<b>Limits</b>				
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44	
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	I/O field_1	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation Disabled
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Speed	
<b>Button_5</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF Stop
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border) 3
Foreground color	255, 255, 255	Border width	2	Line style Solid
Border color	71, 73, 87	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern) 131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern) 88, 90, 103
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	692	Y position	134	Width 96
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout) 0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout) 0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout) 0
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment Centered of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_5	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\SetBit</b>				
Tag		HMI_Stop_MB		
<b>Function list\ResetBit</b>				
Tag		HMI_Reverse_MB		
<b>Function list\ResetBit</b>				
Tag		HMI_Jog_MB		
<b>Function list\ResetBit</b>				
Tag		HMI_Forward_MB		

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<b>Dynamizations\Event</b>				
Event name	Release			
<b>Function list\ResetBit</b>				
Tag	HMI_Stop_MB			
<b>Button_6</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	692	Y position	195	Width
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_6	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name	Press			
<b>Function list\SetBit</b>				
Tag	HMI_Forward_MB			
<b>Function list\ResetBit</b>				
Tag	HMI_Reverse_MB			
<b>Dynamizations\Event</b>				
Event name	Release			
<b>Function list\ResetBit</b>				
Tag	HMI_Forward_MB			
<b>Button_7</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	

Totally Integrated Automation Portal					
<b>Fill pattern</b>					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	692	Y position	263	Width	96
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Button_7	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Event</b>					
Event name		Press			
<b>Function list\SetBit</b>					
Tag		HMI_Reverse_MB			
<b>Function list\ResetBit</b>					
Tag		HMI_Forward_MB			
<b>Dynamizations\Event</b>					
Event name		Release			
<b>Function list\ResetBit</b>					
Tag		HMI_Reverse_MB			
<b>Button_8</b>					
Type	Button				
<b>General</b>					
Mode	Text	Hotkey	None	Text OFF	Jog
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
<b>Appearance</b>					
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
<b>Fill pattern</b>					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	838	Y position	134	Width	96
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				

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<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_8	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		
<b>Function list\SetBit</b>				
Tag		HMI_Jog_MB		
<b>Function list\ResetBit</b>				
Tag		HMI_Forward_MB		
<b>Function list\ResetBit</b>				
Tag		HMI_Reverse_MB		
<b>Dynamizations\Event</b>				
Event name		Release		
<b>Function list\ResetBit</b>				
Tag		HMI_Jog_MB		
<b>Button_9</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON	Text	Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	255, 255, 255	Border width	2	Line style
Border color	71, 73, 87	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	837	Y position	195	Width
Height	32	Fit graphic to size	Stretch graphic	96
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Horizontal alignment of the graphic
Margin top text (layout)	0	Margin right text (layout)	0	Margin left text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin bottom text (layout)
Margin bottom graphic (layout)	0			Margin right graphic (layout)
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Button_9	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name		Press		

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<b>Function list\SetBit</b>					
Tag	HMI_Run_MB				
<b>Function list\ResetBit</b>					
Tag	HMI_Jog_MB				
<b>Dynamizations\Event</b>					
Event name	Release				
<b>Function list\ResetBit</b>					
Tag	HMI_Run_MB				
<b>Slider_2</b>					
Type	Slider				
<b>General</b>					
Maximum value	6000	Minimum value	0	Process value	
Label	Speed			3000	
<b>Appearance</b>					
Compatibility mode (appearance)	Disabled	Object caption color	0, 122, 204	Background color	241, 241, 242
Background fill style	Solid	Background graphic		Slider graphic	
Bar color	214, 215, 218	Background color of bar	49, 49, 74	Slider background color	49, 52, 74
Scale label color	49, 52, 74	Mark style	Normal	Focus color	148, 182, 231
Focus width	2	Limit lines (layout)	Disabled	Limit marking (layout)	Enabled
<b>Border</b>					
Outside width	2	Border width	7	Inside width	2
Illuminated	255, 255, 255	Shadow	128, 128, 128	Outside style	Emboss
Inner 3D border style	Relief	Style (border)	Double line	Foreground color (border)	71, 73, 87
Background color (border)	101, 103, 115	Corner radius (border)	4		
<b>Layout</b>					
X position	964	Y position	105	Width	80
Height	230	Position scale (layout)	Left/up	Bar orientation	Top
Show current value	Enabled	Show thumbnail slider	Enabled	Show bar	Enabled
Display labeling of scale marks	Enabled	Display scale marks	Enabled		
<b>Text format</b>					
Font	Tahoma, 11px, style=Bold	Label font	Tahoma, 15px, style=Bold		
<b>Flashing</b>					
Flashing	Disabled				
<b>Limits/Ranges</b>					
Show ranges from tag	Disabled	Value range Upper 2	? - 6000	Color range high 2	237, 88, 97
Show range Upper 2	Enabled	Value range Upper 1	? - ?	Color range high 1	241, 161, 44
Show range Upper 1	Enabled	Value range Normal	? - ?	Range Normal color	56, 195, 70
Show range Normal	Enabled	Value range Lower 1	? - ?	Color range low 1	241, 161, 44
Show range Lower 1	Enabled	Value range Lower 2	0 - ?	Color range low 2	241, 161, 44
Show range Lower 2	Enabled				
<b>Scales</b>					
Scale (layout)	Enabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Slider_2	Layer	0 - Layer_0		
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process Data_MB Drive Speed		
<b>I/O field_2</b>					
Type	I/O field				
<b>General</b>					
Process value		Mode	Input/output	Display format	Decimal
Shift decimal point	0	Field length	5	Show leading zeros	Disabled
Format pattern	99999				
<b>Appearance</b>					
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius	3
Foreground color	49, 52, 74	Unit		Border width	4
Line style	Double line	Border color	71, 73, 87	Border background color	101, 103, 115
<b>Characteristics</b>					
Hidden input	Disabled				
<b>Layout</b>					
X position	954	Y position	348	Width	96
Height	32	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		

Totally Integrated Automation Portal				
<b>Flashing</b>				
Flashing	Disabled	Flash on limit violation	Disabled	
<b>Limits</b>				
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44	
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	I/O field_2	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Process Data_MB Drive Speed	
<b>Text field_1</b>				
Type	Text field			
<b>General</b>				
Text	Profinet Drive			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	149	Y position	41	Width
Height	32	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 23px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_1	Layer	0 - Layer_0	
<b>Text field_2</b>				
Type	Text field			
<b>General</b>				
Text	ModBus Drive			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	758	Y position	44	Width
Height	32	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 23px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_2	Layer	0 - Layer_0	
<b>Line_1</b>				
Type	Line			
<b>Appearance</b>				
Line width	1	Line style	Solid	Color
Background color	255, 255, 255	Fill pattern	Transparent	Line-start style
Line-end style	Default	Line-end shape	Flush	Default
<b>Layout</b>				
X position	550	Y position	29	Width
Height	565	Line start X position	550	Line start Y position
Line end X position	552	Line end Y position	594	29
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Line_1	Layer	0 - Layer_0	

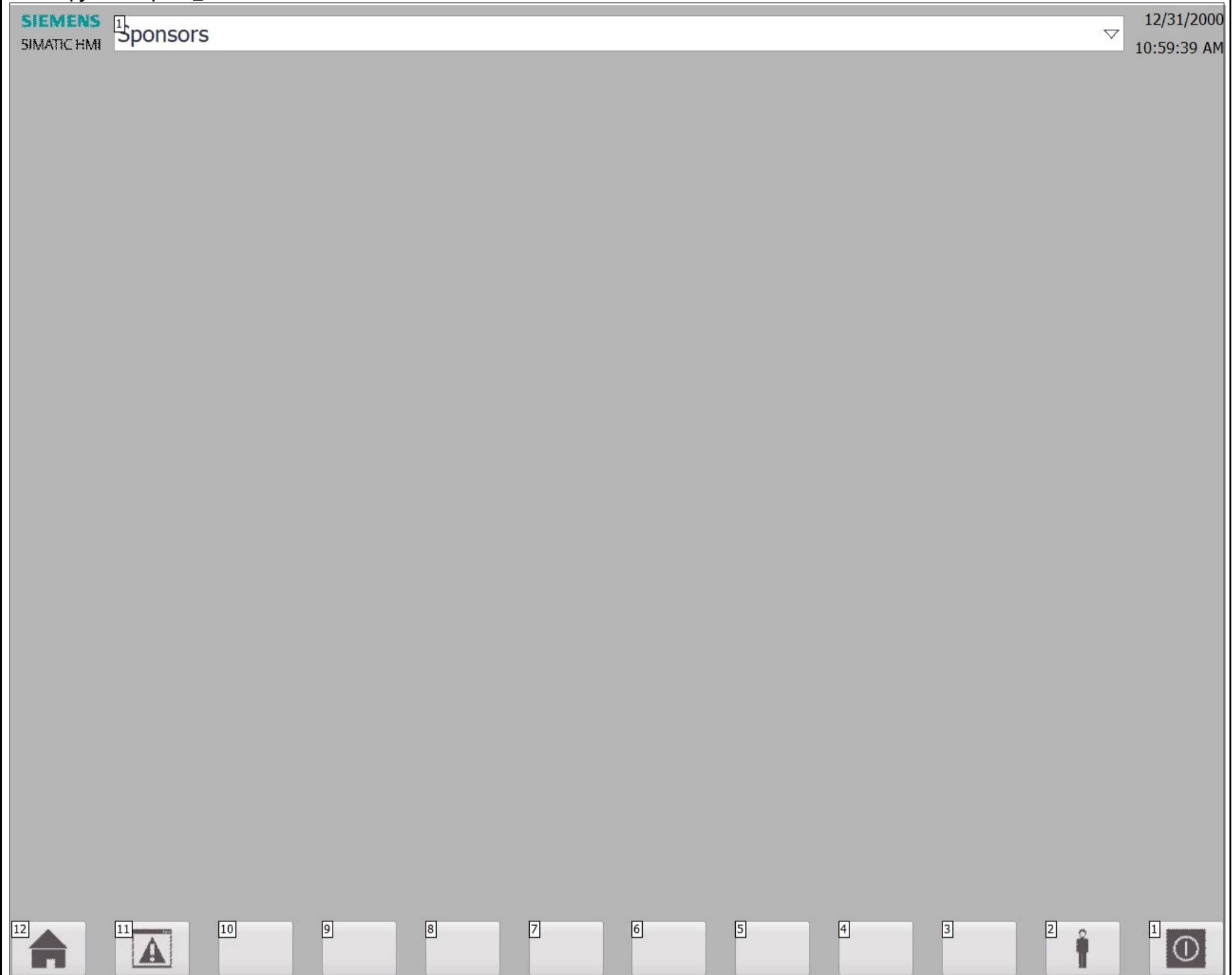
Totally Integrated Automation Portal				
<b>PDFView_1</b>				
Type	PDFView			
<b>General</b>				
PDF file name	C:\Users\abondar\Documents\Automation\SeniorDesign\Documentation\Errors.pdf			
<b>Layout</b>				
X position	572	Y position	430	Width
Height	521			693
<b>Toolbar</b>				
Search	Enabled	Copy	Enabled	Zoom
<b>Miscellaneous</b>				
Name	PDFView_1	Layer	0 - Layer_0	
<b>Security</b>				
Allow operator control	Enabled			
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor.
Visibility	Invisible			0
<b>I/O field_3</b>				
Type	I/O field			
<b>General</b>				
Process value		Mode	Output	Display format
Shift decimal point	0	Field length	5	Show leading zeros
Format pattern	s99999			Disabled
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius
Foreground color	49, 52, 74	Unit		Border width
Line style	Double line	Border color	71, 73, 87	Border background color
<b>Characteristics</b>				
Hidden input	Disabled			
<b>Layout</b>				
X position	622	Y position	376	Width
Height	32	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled	Flash on limit violation	Disabled	
<b>Limits</b>				
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44	
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	I/O field_3	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	MbConfig_ERR_MESS	
<b>Text field_3</b>				
Type	Text field			
<b>General</b>				
Text	Error Code			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)
Foreground color	49, 52, 74	Border width	0	Line style
Border color	71, 73, 87	Border background color	101, 103, 115	Double line
<b>Layout</b>				
X position	624	Y position	339	Width
Height	23	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 16px, style=Bold	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle	Line break	Disabled	Left
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_3	Layer	0 - Layer_0	

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<b>I/O field_4</b>				
Type	I/O field			
<b>General</b>				
Process value	0	Mode	Output	Display format Hexadecimal
Shift decimal point	0	Field length	4	Show leading zeros Disabled
Format pattern	FFFF			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Solid	Corner radius 3
Foreground color	49, 52, 74	Unit		Border width 4
Line style	Double line	Border color	71, 73, 87	Border background color 101, 103, 115
<b>Characteristics</b>				
Hidden input	Disabled			
<b>Layout</b>				
X position	67	Y position	376	Width 96
Height	32	Left margin	3	Top margin 2
Right margin	2	Bottom margin	2	Fit object to contents Disabled
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment Left
Vertical alignment	Middle	Line break	Disabled	
<b>Flashing</b>				
Flashing	Disabled	Flash on limit violation	Disabled	
<b>Limits</b>				
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44	
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	I/O field_4	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation Disabled
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Process Data_Drive Error	
<b>Text field_4</b>				
Type	Text field			
<b>General</b>				
Text	Error Code			
<b>Appearance</b>				
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border) 3
Foreground color	49, 52, 74	Border width	0	Line style Double line
Border color	71, 73, 87	Border background color	101, 103, 115	
<b>Layout</b>				
X position	71	Y position	337	Width 92
Height	23	Left margin	3	Top margin 2
Right margin	2	Bottom margin	2	Fit object to contents Enabled
<b>Text format</b>				
Font	Tahoma, 16px, style=Bold	Orientation	Horizontal	Horizontal alignment Left
Vertical alignment	Middle	Line break	Disabled	
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Text field_4	Layer	0 - Layer_0	
<b>Graphic view_13</b>				
Type	Graphic view			
<b>General</b>				
Graphic	SafetyScreen			
<b>Appearance</b>				
Background color	173, 174, 181	Background fill pattern	Transparent	Use transparent color Disabled
Transparent color	255, 0, 255	Border width	0	Line style Solid
Border color	0, 0, 0			
<b>Layout</b>				
X position	0	Y position	0	Width 1277
Height	964	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size Stretch graphic
Fit object to contents	Disabled			
<b>Flashing</b>				
Flashing	Disabled			
<b>Miscellaneous</b>				
Name	Graphic view_13	Layer	1 - Layer_1	
<b>Dynamizations\Visibility</b>				
Tag - Cycle	Red -	Data type	Bit	Specifies the bit to monitor. 0
Visibility	Visible			

SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management / Templates

Template\_1

Hardcopy of Template\_1



General

General					
Name	Template_1	Background color	182, 182, 182	Grid color	0, 0, 0
Tab sequence in foreground	Enabled	Release button			

## Layers

Active layer	0
Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled

Totally Integrated Automation Portal			
Layer_22		Enabled	
Layer_23		Enabled	
Layer_24		Enabled	
Layer_25		Enabled	
Layer_26		Enabled	
Layer_27		Enabled	
Layer_28		Enabled	
Layer_29		Enabled	
Layer_30		Enabled	
Layer_31		Enabled	
<b>Exit</b>			
Type	Button		
<b>General</b>			
Mode	Graphic	Hotkey	None
Text ON	Exit	Text list	
Graphic ON	ExitRuntime_WinCC_RT_Advanced_TR	Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	233, 232, 232	Background fill pattern	Vertical gradient
Foreground color	49, 52, 74	Border width	1
Border color	156, 154, 165	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		
<b>Design</b>			
Focus width	2	Focus color	148, 182, 231
<b>Layout</b>			
X position	1199	Y position	904
Height	58	Fit graphic to size	Stretch graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled
Margin top text (layout)	0	Margin right text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0
Margin bottom graphic (layout)	0		
<b>Text format</b>			
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal
Vertical alignment of the text	Middle		Horizontal alignment of the text
<b>Flashing</b>			
Flashing	Disabled		
<b>Styles/Designs</b>			
Use style/design	Disabled	Style item appearance	
<b>Miscellaneous</b>			
Name	Exit	Layer	0 - Layer_0
<b>Security</b>			
Authorization		Allow operator control	Enabled
			Two-hand operation
			Disabled
<b>Dynamizations\Event</b>			
Event name		Release	
<b>Function list\StopRuntime</b>			
Mode		Runtime	
<b>Log on</b>			
Type	Button		
<b>General</b>			
Mode	Graphic	Hotkey	None
Text ON	Log on	Text list	
Graphic ON	Login_WinCC_RT_Advanced_TR	Graphic list	
Bit number	0		
<b>Appearance</b>			
Background color	233, 232, 232	Background fill pattern	Vertical gradient
Foreground color	49, 52, 74	Border width	1
Border color	156, 154, 165	Border background color	105, 105, 105
<b>Fill pattern</b>			
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled
Offset gradient 2 (fill pattern)	15		

Totally Integrated Automation Portal				
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	1090	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Log on	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Dynamizations\Event</b>				
Event name			Release	
<b>Function list&gt;ShowLogonDialog</b>				
<b>Language</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON		Text list		Graphic OFF
Graphic ON	ToggleLanguage_WinCC_RT_Advanced_TR	Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	49, 52, 74	Border width	1	Line style
Border color	156, 154, 165	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	981	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Language	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Template_Button</b>				
Type	Button			

Totally Integrated Automation Portal				
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON		Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	49, 52, 74	Border width	1	Line style
Border color	156, 154, 165	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	872	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Template_Button	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
				Disabled
<b>Template_Button_1</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON		Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)
Foreground color	49, 52, 74	Border width	1	Line style
Border color	156, 154, 165	Border background color	105, 105, 105	
<b>Fill pattern</b>				
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	763	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			

Totally Integrated Automation Portal				
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appear- ance		
<b>Miscellaneous</b>				
Name	Template_Button_1	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator con- trol	Enabled	Two-hand operation
Disabled				
<b>Template_Button_2</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON		Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	233, 232, 232	Background fill pat- tern	Vertical gradient	Corner radius (bor- der)
Foreground color	49, 52, 74	Border width	1	Line style
Border color	156, 154, 165	Border background color	105, 105, 105	Solid
<b>Fill pattern</b>				
Background color gra- dient (fill pattern)	226, 225, 225	Gradient 1 (fill pat- tern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pat- tern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	654	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)
Margin top text (lay- out)	0	Margin right text (lay- out)	0	Margin bottom text (layout)
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)
Margin bottom graphic (layout)	0			
<b>Text format</b>				
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text
Vertical alignment of the text	Middle			
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appear- ance		
<b>Miscellaneous</b>				
Name	Template_Button_2	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator con- trol	Enabled	Two-hand operation
Disabled				
<b>Template_Button_3</b>				
Type	Button			
<b>General</b>				
Mode	Text	Hotkey	None	Text OFF
Text ON		Text list		Graphic OFF
Graphic ON		Graphic list		Process value
Bit number	0			
<b>Appearance</b>				
Background color	233, 232, 232	Background fill pat- tern	Vertical gradient	Corner radius (bor- der)
Foreground color	49, 52, 74	Border width	1	Line style
Border color	156, 154, 165	Border background color	105, 105, 105	Solid
<b>Fill pattern</b>				
Background color gra- dient (fill pattern)	226, 225, 225	Gradient 1 (fill pat- tern)	Enabled	Color gradient 1 (fill pattern)
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pat- tern)	Enabled	Color gradient 2 (fill pattern)
Offset gradient 2 (fill pattern)	15			
<b>Design</b>				
Focus width	2	Focus color	148, 182, 231	
<b>Layout</b>				
X position	546	Y position	904	Width
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (lay- out)
				0

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Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Template_Button_3	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Template_Button_4</b>					
Type	Button				
<b>General</b>					
Mode	Text	Hotkey	None	Text OFF	
Text ON		Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
<b>Appearance</b>					
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	1	Line style	Solid
Border color	156, 154, 165	Border background color	105, 105, 105		
<b>Fill pattern</b>					
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	245, 244, 244
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	216, 214, 214
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	437	Y position	904	Width	79
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Template_Button_4	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Template_Button_5</b>					
Type	Button				
<b>General</b>					
Mode	Text	Hotkey	None	Text OFF	
Text ON		Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
<b>Appearance</b>					
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	1	Line style	Solid
Border color	156, 154, 165	Border background color	105, 105, 105		
<b>Fill pattern</b>					
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	245, 244, 244

Totally Integrated Automation Portal					
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	216, 214, 214
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	328	Y position	904	Width	79
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Template_Button_5	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Template_Button_6</b>					
Type	Button				
<b>General</b>					
Mode	Text	Hotkey	None	Text OFF	
Text ON		Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
<b>Appearance</b>					
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	1	Line style	Solid
Border color	156, 154, 165	Border background color	105, 105, 105		
<b>Fill pattern</b>					
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	245, 244, 244
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	216, 214, 214
Offset gradient 2 (fill pattern)	15				
<b>Design</b>					
Focus width	2	Focus color	148, 182, 231		
<b>Layout</b>					
X position	219	Y position	904	Width	79
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				
<b>Text format</b>					
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Template_Button_6	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled
<b>Alarms</b>					
Type	Button				
<b>General</b>					
Mode	Graphic	Hotkey	None	Text OFF	Alarms

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Text ON	Alarms	Text list		Graphic OFF	AlarmDisplay_WinCC_RT_Advanced_TR	
Graphic ON	AlarmDisplay_WinCC_RT_Advanced_TR	Graphic list		Process value		
Bit number	0					
<b>Appearance</b>						
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)	3	
Foreground color	49, 52, 74	Border width	1	Line style	Solid	
Border color	156, 154, 165	Border background color	105, 105, 105			
<b>Fill pattern</b>						
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	245, 244, 244	
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	216, 214, 214	
Offset gradient 2 (fill pattern)	15					
<b>Design</b>						
Focus width	2	Focus color	148, 182, 231			
<b>Layout</b>						
X position	110	Y position	904	Width	79	
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered	
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0	
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0	
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0	
Margin bottom graphic (layout)	0					
<b>Text format</b>						
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered	
Vertical alignment of the text	Middle					
<b>Flashing</b>						
Flashing	Disabled					
<b>Styles/Designs</b>						
Use style/design	Disabled	Style item appearance				
<b>Miscellaneous</b>						
Name	Alarms	Layer	0 - Layer_0	Tooltip		
<b>Security</b>						
Authorization		Allow operator control	Enabled	Two-hand operation	Disabled	
<b>Dynamizations\Event</b>						
Event name		Release				
<b>Function list&gt;ShowAlarmWindow</b>						
Object name	Alarm window_Unacknowledged	Display mode		Toggle		
<b>Start screen</b>						
Type	Button					
<b>General</b>						
Mode	Graphic	Hotkey	None	Text OFF	Start screen	
Text ON	Start screen	Text list		Graphic OFF	NavigateHome_WinCC_RT_Advanced_TR	
Graphic ON	NavigateHome_WinCC_RT_Advanced_TR	Graphic list		Process value		
Bit number	0					
<b>Appearance</b>						
Background color	233, 232, 232	Background fill pattern	Vertical gradient	Corner radius (border)	3	
Foreground color	49, 52, 74	Border width	1	Line style	Solid	
Border color	156, 154, 165	Border background color	105, 105, 105			
<b>Fill pattern</b>						
Background color gradient (fill pattern)	226, 225, 225	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	245, 244, 244	
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	216, 214, 214	
Offset gradient 2 (fill pattern)	15					
<b>Design</b>						
Focus width	2	Focus color	148, 182, 231			
<b>Layout</b>						
X position	1	Y position	904	Width	79	
Height	58	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered	
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0	
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0	
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0	

Totally Integrated Automation Portal							
Margin bottom graphic (layout)	0						
<b>Text format</b>							
Font	Tahoma, 15px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered		
Vertical alignment of the text	Middle						
<b>Flashing</b>							
Flashing	Disabled						
<b>Styles/Designs</b>							
Use style/design	Disabled	Style item appear- ance					
<b>Miscellaneous</b>							
Name	Start screen	Layer	0 - Layer_0	Tooltip			
<b>Security</b>							
Authorization		Allow operator con- trol	Enabled	Two-hand operation	Disabled		
<b>Dynamizations\Event</b>							
Event name		Release					
<b>Function list\ActivateScreen</b>							
Screen name	Sponsors	Object number	0				
<b>Softkey_F1</b>							
Type	Function key						
<b>General</b>							
Key code	200	Global assignment	Enabled	Graphic			
Authorization		LED tag		Bit in the LED tag	0		

Totally Integrated Automation Portal		
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SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management / Pop-up screens

### Safety Reset Pop-up

#### Hardcopy of Safety Reset Pop-up



#### General

Name	Safety Reset Pop-up	Background color	182, 182, 182	Grid color	0, 0, 0
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#### Layout

Width	720	Height	720
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#### Layers

Active layer	0
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Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled
Layer_23	Enabled
Layer_24	Enabled
Layer_25	Enabled
Layer_26	Enabled

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Totally Integrated Automation Portal					
Layer_27	Enabled				
Layer_28	Enabled				
Layer_29	Enabled				
Layer_30	Enabled				
Layer_31	Enabled				
<b>Scroll bar</b>					
Scroll bar foreground color	24, 28, 49	Scroll bar background color	230, 230, 232		
<b>Text field_1</b>					
Type	Text field				
<b>General</b>					
Text	Safety Reset?				
<b>Appearance</b>					
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	0	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		
<b>Layout</b>					
X position	8	Y position	8	Width	191
Height	37	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
<b>Text format</b>					
Font	Tahoma, 27px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Text field_1	Layer	0 - Layer_0		

Totally Integrated Automation Portal		
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## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management / Slide-in screens

### Slide-in screen bottom

#### Hardcopy of Slide-in screen bottom



#### General

Name	Slide-in screen bottom	Background color	182, 182, 182	Grid color	0, 0, 0
Activate slide-in screen	Disabled				

#### Layout

Width	1280	Height	341
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#### Layers

Active layer	0
--------------	---

Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled
Layer_23	Enabled
Layer_24	Enabled
Layer_25	Enabled
Layer_26	Enabled
Layer_27	Enabled
Layer_28	Enabled
Layer_29	Enabled
Layer_30	Enabled
Layer_31	Enabled

#### Handle

Line color	223, 223, 223	Alternative line color	32, 32, 32	Color of operable area	128, 128, 128
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Visibility	Hide handle automatically
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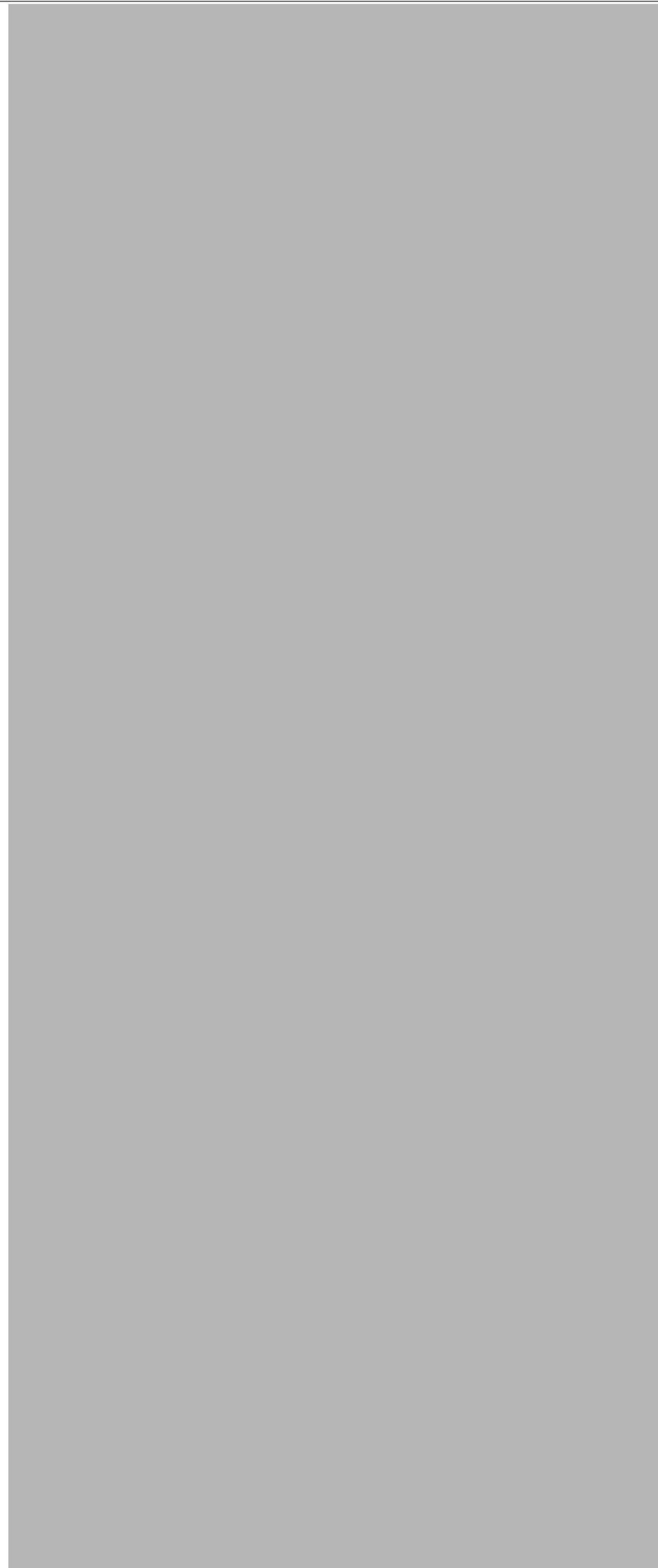
#### Security

Authorization	Operator control enabled	Enabled
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SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management /  
Slide-in screens

## Slide-in screen left

## Hardcopy of Slide-in screen left



## General

Name	Slide-in screen left	Background color	182, 182, 182	Grid color	0, 0, 0
Activate slide-in screen	Disabled				

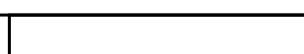
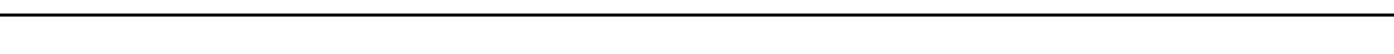
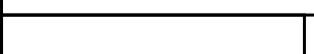
## Layout

Width	426	Height	1024
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## Layers

Active layer	0
--------------	---

Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled



Totally Integrated Automation Portal					
Layer_6		Enabled			
Layer_7		Enabled			
Layer_8		Enabled			
Layer_9		Enabled			
Layer_10		Enabled			
Layer_11		Enabled			
Layer_12		Enabled			
Layer_13		Enabled			
Layer_14		Enabled			
Layer_15		Enabled			
Layer_16		Enabled			
Layer_17		Enabled			
Layer_18		Enabled			
Layer_19		Enabled			
Layer_20		Enabled			
Layer_21		Enabled			
Layer_22		Enabled			
Layer_23		Enabled			
Layer_24		Enabled			
Layer_25		Enabled			
Layer_26		Enabled			
Layer_27		Enabled			
Layer_28		Enabled			
Layer_29		Enabled			
Layer_30		Enabled			
Layer_31		Enabled			
<b>Handle</b>					
Line color	223, 223, 223	Alternative line color	32, 32, 32	Color of operable area	128, 128, 128
Visibility	Hide handle automatically				
<b>Security</b>					
Authorization		Operator control enabled	Enabled		

SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management /  
Slide-in screens

## Slide-in screen right

## Hardcopy of Slide-in screen right



## General

Name	Slide-in screen right	Background color	182, 182, 182	Grid color	0, 0, 0
Activate slide-in screen	Disabled				

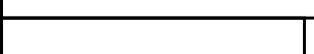
## Layout

Width	426	Height	1024
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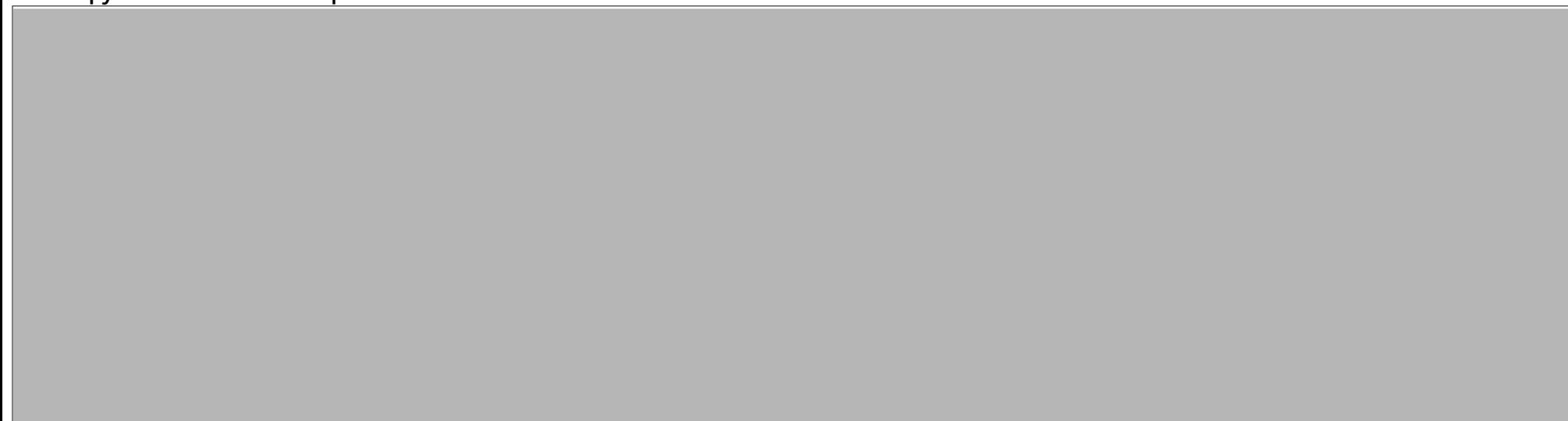
## Layers

Active layer	0
--------------	---

Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled



Totally Integrated Automation Portal					
Layer_6		Enabled			
Layer_7		Enabled			
Layer_8		Enabled			
Layer_9		Enabled			
Layer_10		Enabled			
Layer_11		Enabled			
Layer_12		Enabled			
Layer_13		Enabled			
Layer_14		Enabled			
Layer_15		Enabled			
Layer_16		Enabled			
Layer_17		Enabled			
Layer_18		Enabled			
Layer_19		Enabled			
Layer_20		Enabled			
Layer_21		Enabled			
Layer_22		Enabled			
Layer_23		Enabled			
Layer_24		Enabled			
Layer_25		Enabled			
Layer_26		Enabled			
Layer_27		Enabled			
Layer_28		Enabled			
Layer_29		Enabled			
Layer_30		Enabled			
Layer_31		Enabled			
<b>Handle</b>					
Line color	223, 223, 223	Alternative line color	32, 32, 32	Color of operable area	128, 128, 128
Visibility	Hide handle automatically				
<b>Security</b>					
Authorization		Operator control enabled	Enabled		

**SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management / Slide-in screens****Slide-in screen top****Hardcopy of Slide-in screen top****General**

Name	Slide-in screen top	Background color	182, 182, 182	Grid color	0, 0, 0
Activate slide-in screen	Disabled				

**Layout**

Width	1280	Height	341
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**Layers**

Active layer	0
--------------	---

Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled
Layer_23	Enabled
Layer_24	Enabled
Layer_25	Enabled
Layer_26	Enabled
Layer_27	Enabled
Layer_28	Enabled
Layer_29	Enabled
Layer_30	Enabled
Layer_31	Enabled

**Handle**

Line color	223, 223, 223	Alternative line color	32, 32, 32	Color of operable area	128, 128, 128
------------	---------------	------------------------	------------	------------------------	---------------

**Visibility**

Hide handle automatically
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**Security**

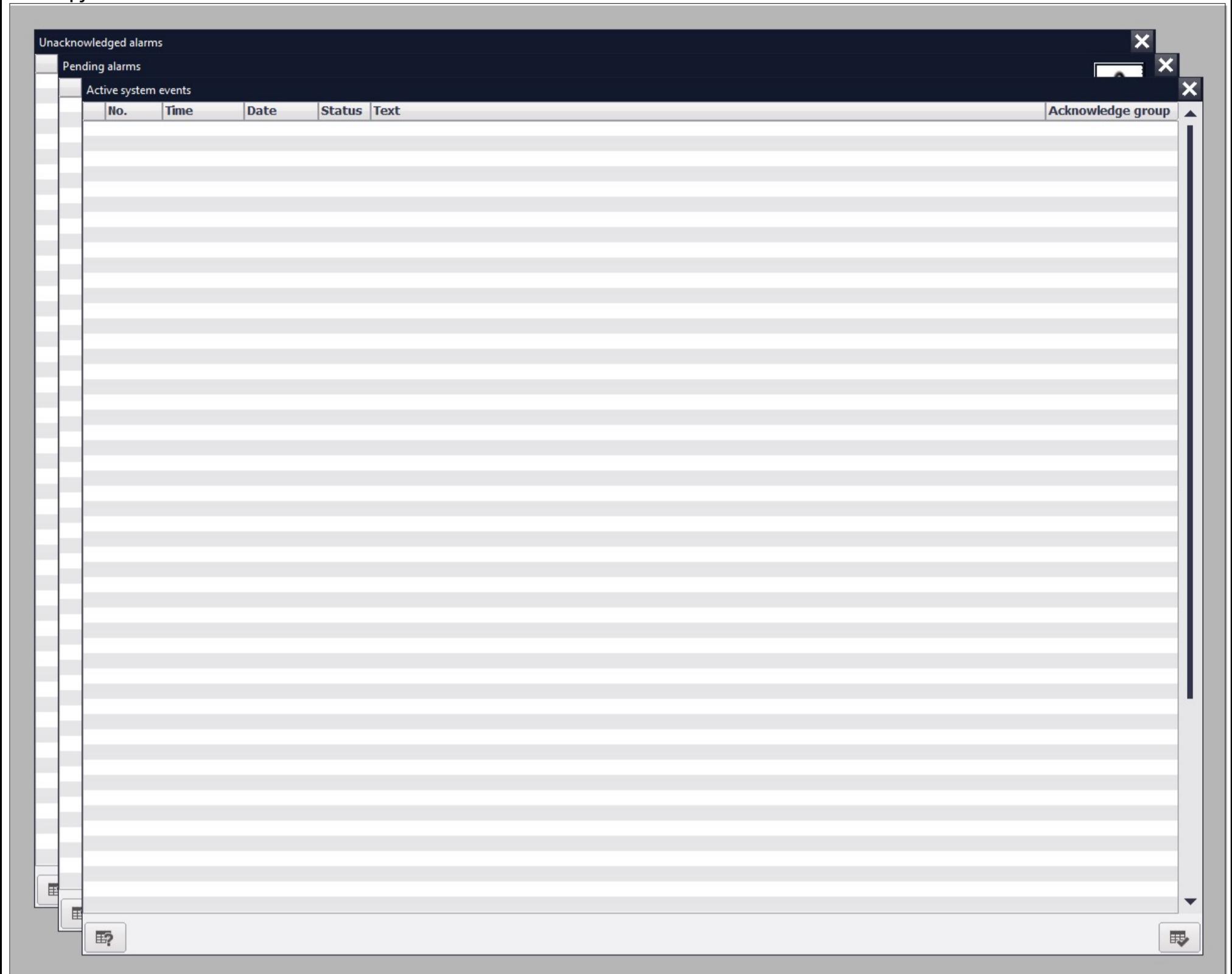
Authorization	Operator control enabled	Enabled
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Totally Integrated Automation Portal		
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## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Screen management

### Global screen

#### Hardcopy of Global screen



General					
Name	Global screen	Background color	182, 182, 182	Grid color	0, 0, 0
Alarm window_Unacknowledged					
Type	Alarm window	Source of alarms	Alarms	Pending alarms	Disabled
General					
Alarm classes	Errors	Alarm log			
Unacknowledged alarms	Enabled				
Appearance					
Background color of table	255, 255, 255	Alternative color	230, 230, 232	Foreground color of table	49, 52, 74
Foreground color of selection	255, 255, 255	Background color of selection	148, 182, 231	Background color	241, 241, 242
Focus color	148, 182, 231	Header foreground color	49, 52, 74	Header background color	233, 232, 232
Color of the grid lines	255, 255, 255				
Layout					
X position	25	Y position	25	Width	1180
Height	924	Fit object to contents	Disabled	Lines per alarms	1
Visible alarms	1	Display type	Advanced		
Window					
Display automatically	Enabled	Modal dialog	Disabled	Sizeable	Enabled
Enabled	Enabled	Title	Unacknowledged alarms	Close button	Enabled
Display					
Vertical scrolling	Enabled	Horizontal scrolling	Enabled	Horizontal grid lines	Disabled
Focus width	2	Control tag for display area		Control tag for PLC code view	
Text format					
Table font	Tahoma, 13px	Table header font	Tahoma, 13px, style=Bold		

Totally Integrated Automation Portal				
<b>Toolbar</b>				
"Info text" button	Enabled	Acknowledge button	Enabled	Loop-In-Alarm button
Toolbar style	Buttons			Disabled
<b>Button border</b>				
Width (button border)	1	Style (button border)	Solid	Foreground color (button border)
Background color (button border)	156, 154, 165	Corner radius (button border)	3	156, 154, 165
<b>Button fill pattern</b>				
Fill pattern (button fill pattern)	Vertical gradient	Background color (button fill pattern)	233, 232, 232	Background color gradient (button fill pattern)
Gradient 1 (button fill pattern)	Enabled	Color gradient 1 (button fill pattern)	247, 247, 247	Offset gradient 1 (button fill pattern)
Gradient 2 (button fill pattern)	Enabled	Color gradient 2 (button fill pattern)	224, 223, 223	Offset gradient 2 (button fill pattern)
<b>Columns</b>				
Columns	Alarm number, Time, Alarm status, Alarm text, Date, Alarm class, Acknowledgment group	Column headers	Enabled	Reorder columns
Sort by time	Enabled	Separate line for alarm text	Disabled	Time in milliseconds
Time sorting order	Descending			Disabled
<b>Column headers</b>				
Alarm number	Default value	Time	Default value	Alarm status
Alarm text	Default value	Alarm class	Default value	Date
Acknowledgment group	Default value	Diagnosable	Default value	PLC (error location)
<b>Table header border</b>				
Width (table header border)	1	Style (table header border)	Solid	Color (table header border)
Background color (table header border)	156, 154, 165	Corner radius (table header border)	2	156, 154, 165
<b>Table header fill pattern</b>				
Fill pattern (table header fill pattern)	Vertical gradient	Background color gradient (table header fill pattern)	233, 232, 232	Gradient 1 (table header fill pattern)
Color gradient 1 (table header fill pattern)	247, 247, 247	Offset gradient 1 (table header fill pattern)	15	Gradient 2 (table header fill pattern)
Color gradient 2 (table header fill pattern)	224, 223, 223	Offset gradient 2 (table header fill pattern)	15	
<b>Alarm filter</b>				
Filter text		Filter tag		
<b>Alarm line</b>				
Alarm text tag				
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	Alarm window_Unacknowledged			
<b>Security</b>				
Authorization		Allow operator control	Enabled	
<b>Alarm window_Pending</b>				
Type	Alarm window			
<b>General</b>				
Alarm classes	Errors	Source of alarms	Alarms	Pending alarms
Unacknowledged alarms	Disabled	Alarm log		Enabled
<b>Appearance</b>				
Background color of table	255, 255, 255	Alternative color	230, 230, 232	Foreground color of table
Foreground color of selection	255, 255, 255	Background color of selection	148, 182, 231	Background color
Focus color	148, 182, 231	Header foreground color	49, 52, 74	Header background color
Color of the grid lines	255, 255, 255			233, 232, 232
<b>Layout</b>				
X position	50	Y position	50	Width
Height	924	Fit object to contents	Disabled	1180
Visible alarms	1	Display type	Advanced	Lines per alarms
<b>Window</b>				
Display automatically	Enabled	Modal dialog	Disabled	Sizeable
Enabled	Enabled	Title	Pending alarms	Enabled
<b>Display</b>				
Vertical scrolling	Enabled	Horizontal scrolling	Enabled	Horizontal grid lines
Focus width	2	Control tag for display area		Disabled
Control tag for PLC code view				
<b>Text format</b>				
Table font	Tahoma, 13px	Table header font	Tahoma, 13px, style=Bold	
<b>Toolbar</b>				
"Info text" button	Enabled	Acknowledge button	Enabled	Loop-In-Alarm button
Toolbar style	Buttons			Disabled

Totally Integrated Automation Portal					
<b>Button border</b>					
Width (button border)	1	Style (button border)	Solid	Foreground color (button border)	156, 154, 165
Background color (button border)	156, 154, 165	Corner radius (button border)	3		
<b>Button fill pattern</b>					
Fill pattern (button fill pattern)	Vertical gradient	Background color (button fill pattern)	233, 232, 232	Background color gradient (button fill pattern)	233, 232, 232
Gradient 1 (button fill pattern)	Enabled	Color gradient 1 (button fill pattern)	247, 247, 247	Offset gradient 1 (button fill pattern)	15
Gradient 2 (button fill pattern)	Enabled	Color gradient 2 (button fill pattern)	224, 223, 223	Offset gradient 2 (button fill pattern)	15
<b>Columns</b>					
Columns	Alarm number, Time, Alarm status, Alarm text, Date, Alarm class, Acknowledgment group	Column headers	Enabled	Reorder columns	Enabled
Sort by time	Enabled	Separate line for alarm text	Disabled	Time in milliseconds	Disabled
Time sorting order	Descending				
<b>Column headers</b>					
Alarm number	Default value	Time	Default value	Alarm status	Default value
Alarm text	Default value	Alarm class	Default value	Date	Default value
Acknowledgment group	Default value	Diagnosable	Default value	PLC (error location)	Default value
<b>Table header border</b>					
Width (table header border)	1	Style (table header border)	Solid	Color (table header border)	156, 154, 165
Background color (table header border)	156, 154, 165	Corner radius (table header border)	2		
<b>Table header fill pattern</b>					
Fill pattern (table header fill pattern)	Vertical gradient	Background color gradient (table header fill pattern)	233, 232, 232	Gradient 1 (table header fill pattern)	Enabled
Color gradient 1 (table header fill pattern)	247, 247, 247	Offset gradient 1 (table header fill pattern)	15	Gradient 2 (table header fill pattern)	Enabled
Color gradient 2 (table header fill pattern)	224, 223, 223	Offset gradient 2 (table header fill pattern)	15		
<b>Alarm filter</b>					
Filter text		Filter tag			
<b>Alarm line</b>					
Alarm text tag					
<b>Flashing</b>					
Flashing	Disabled				
<b>Styles/Designs</b>					
Use style/design	Disabled	Style item appearance			
<b>Miscellaneous</b>					
Name	Alarm window_Pending				
<b>Security</b>					
Authorization		Allow operator control	Enabled		
<b>Alarm indicator</b>					
Type	Alarm indicator				
<b>Layout</b>					
X position	1140		Y position	60	
<b>General</b>					
Display alarm classes	Acknowledged : Errors Pending : Errors				
<b>Dynamizations\Event</b>					
Event name		Click			
<b>Function list\ShowAlarmWindow</b>					
Object name	Alarm window_Pending		Display mode	Toggle	
<b>Dynamizations\Event</b>					
Event name		Click when flashing			
<b>Function list\ShowAlarmWindow</b>					
Object name	Alarm window_Pending		Display mode	Toggle	
<b>System events</b>					
Type	Alarm window				
<b>General</b>					
Alarm classes	System	Source of alarms	Alarms	Pending alarms	Enabled
Unacknowledged alarms	Disabled	Alarm log			
<b>Appearance</b>					
Background color of table	255, 255, 255	Alternative color	230, 230, 232	Foreground color of table	49, 52, 74
Foreground color of selection	255, 255, 255	Background color of selection	148, 182, 231	Background color	241, 241, 242
Focus color	148, 182, 231	Header foreground color	49, 52, 74	Header background color	233, 232, 232

Totally Integrated Automation Portal				
<b>Color of the grid lines</b> 255, 255, 255				
<b>Layout</b>				
X position	75	Y position	75	Width
Height	924	Fit object to contents	Disabled	Lines per alarms
Visible alarms	1	Display type	Advanced	
<b>Window</b>				
Display automatically	Enabled	Modal dialog	Disabled	Sizeable
Enabled	Enabled	Title	Active system events	Close button
<b>Display</b>				
Vertical scrolling	Enabled	Horizontal scrolling	Enabled	Horizontal grid lines
Focus width	2	Control tag for display area		Control tag for PLC code view
<b>Text format</b>				
Table font	Tahoma, 13px	Table header font	Tahoma, 13px, style=Bold	
<b>Toolbar</b>				
"Info text" button	Enabled	Acknowledge button	Enabled	Loop-In-Alarm button
Toolbar style	Buttons			Disabled
<b>Button border</b>				
Width (button border)	1	Style (button border)	Solid	Foreground color (button border)
Background color (button border)	156, 154, 165	Corner radius (button border)	3	
<b>Button fill pattern</b>				
Fill pattern (button fill pattern)	Vertical gradient	Background color (button fill pattern)	233, 232, 232	Background color gradient (button fill pattern)
Gradient 1 (button fill pattern)	Enabled	Color gradient 1 (button fill pattern)	247, 247, 247	Offset gradient 1 (button fill pattern)
Gradient 2 (button fill pattern)	Enabled	Color gradient 2 (button fill pattern)	224, 223, 223	Offset gradient 2 (button fill pattern)
<b>Columns</b>				
Columns	Alarm number, Time, Alarm status, Alarm text, Date, Alarm class, Acknowledgment group	Column headers	Enabled	Reorder columns
Sort by time	Enabled	Separate line for alarm text	Disabled	Time in milliseconds
<b>Time sorting order</b>				
<b>Column headers</b>				
Alarm number	Default value	Time	Default value	Alarm status
Alarm text	Default value	Alarm class	Default value	Date
Acknowledgment group	Default value	Diagnosable	Default value	PLC (error location)
<b>Table header border</b>				
Width (table header border)	1	Style (table header border)	Solid	Color (table header border)
Background color (table header border)	156, 154, 165	Corner radius (table header border)	2	
<b>Table header fill pattern</b>				
Fill pattern (table header fill pattern)	Vertical gradient	Background color gradient (table header fill pattern)	233, 232, 232	Gradient 1 (table header fill pattern)
Color gradient 1 (table header fill pattern)	247, 247, 247	Offset gradient 1 (table header fill pattern)	15	Gradient 2 (table header fill pattern)
Color gradient 2 (table header fill pattern)	224, 223, 223	Offset gradient 2 (table header fill pattern)	15	
<b>Alarm filter</b>				
Filter text		Filter tag		
<b>Alarm line</b>				
Alarm text tag				
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	System events			
<b>Security</b>				
Authorization		Allow operator control	Enabled	

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Totally Integrated Automation Portal				
<b>Security</b>				
Authorization		Allow operator control	Enabled	
<b>Dynamizations\Tag connection</b>				
Property name	Process value	Tag	Tag_ScreenNumber	
<b>Dynamizations\Event</b>				
Event name		Change		
<b>Function list\ActivateScreenByNumber</b>				
Screen number	Tag_ScreenNumber	Object number	1	
<b>HmiScreenItemData</b>				
Type	Date/time field			
<b>General</b>				
Long date/time format	Disabled	Display system time	Enabled	Process value
Show date	Disabled	Show time	Enabled	Mode
<b>Appearance</b>				
Foreground color	0, 0, 0	Background color	255, 255, 255	Background fill pattern
Corner radius (border)	3	Border width	0	Line style
Border color	156, 154, 165	Border background color	226, 225, 225	
<b>Layout</b>				
X position	1175	Y position	30	Width
Height	30	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 16px	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle			Right
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	HmiScreenItemData	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
<b>HmiScreenItemData_1</b>				
Type	Date/time field			
<b>General</b>				
Long date/time format	Disabled	Display system time	Enabled	Process value
Show date	Enabled	Show time	Disabled	Mode
<b>Appearance</b>				
Foreground color	0, 0, 0	Background color	255, 255, 255	Background fill pattern
Corner radius (border)	3	Border width	0	Line style
Border color	156, 154, 165	Border background color	226, 225, 225	
<b>Layout</b>				
X position	1175	Y position	0	Width
Height	30	Left margin	3	Top margin
Right margin	2	Bottom margin	2	Fit object to contents
<b>Text format</b>				
Font	Tahoma, 16px	Orientation	Horizontal	Horizontal alignment
Vertical alignment	Middle			Right
<b>Flashing</b>				
Flashing	Disabled			
<b>Styles/Designs</b>				
Use style/design	Disabled	Style item appearance		
<b>Miscellaneous</b>				
Name	HmiScreenItemData_1	Layer	0 - Layer_0	Tooltip
<b>Security</b>				
Authorization		Allow operator control	Enabled	Two-hand operation
<b>Logo</b>				
Type	Graphic view			
<b>General</b>				
Graphic	Logo of PC-System_1			
<b>Appearance</b>				
Background color	222, 219, 222	Background fill pattern	Transparent	Use transparent color
Transparent color	255, 0, 255	Border width	0	Line style
Border color	0, 0, 0			Solid
<b>Layout</b>				
X position	0	Y position	0	Width
				107

Totally Integrated Automation Portal		
Height	60	Fit embedded graphic object to screen size
Fit object to contents	Disabled	Fit graphic to object size
Flashing		Fit graphic to size
Flashing	Disabled	Stretch graphic
Miscellaneous		
Name	Logo	Layer
		0 - Layer_0

Totally Integrated Automation Portal																													
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / HMI tags</b>																													
<b>Main [30]</b>																													
<b>Tag_ScreenNumber</b>																													
<b>General</b> <table border="1"> <tr><td>Name</td><td>Tag_ScreenNumber</td><td>Display name</td><td></td><td>Connection</td><td>&lt;Internal tag&gt;</td></tr> <tr><td>Data type</td><td>UInt</td><td>Array elements</td><td>0</td><td>Length</td><td>2</td></tr> <tr><td>Address</td><td></td><td>Access mode</td><td>&lt;symbolic access&gt;</td><td>PLC tag</td><td></td></tr> <tr><td>Coding</td><td>Binary</td><td>PLC name</td><td></td><td></td><td></td></tr> </table>				Name	Tag_ScreenNumber	Display name		Connection	<Internal tag>	Data type	UInt	Array elements	0	Length	2	Address		Access mode	<symbolic access>	PLC tag		Coding	Binary	PLC name					
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Upper 2		Upper 1		Lower 1																									
Lower 2																													
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ID tag		Start value	4																										
Comment		Source comment																											
<b>Multiplexing</b> <table border="1"> <tr><td>Multiplexing</td><td>Disabled</td><td>Index tag</td><td></td><td></td><td></td></tr> </table>				Multiplexing	Disabled	Index tag																							
Multiplexing	Disabled	Index tag																											
<b>Logging</b> <table border="1"> <tr><td>Data log</td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Data log																									
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<b>Start</b>																													
<b>General</b> <table border="1"> <tr><td>Name</td><td>Start</td><td>Display name</td><td></td><td>Connection</td><td>HMI_Connection_1</td></tr> <tr><td>Data type</td><td>Bool</td><td>Array elements</td><td>0</td><td>Length</td><td>1</td></tr> <tr><td>Address</td><td></td><td>Access mode</td><td>&lt;symbolic access&gt;</td><td>Coding</td><td>Binary</td></tr> <tr><td>PLC name</td><td>PLC_1</td><td></td><td></td><td></td><td></td></tr> </table>				Name	Start	Display name		Connection	HMI_Connection_1	Data type	Bool	Array elements	0	Length	1	Address		Access mode	<symbolic access>	Coding	Binary	PLC name	PLC_1						
Name	Start	Display name		Connection	HMI_Connection_1																								
Data type	Bool	Array elements	0	Length	1																								
Address		Access mode	<symbolic access>	Coding	Binary																								
PLC name	PLC_1																												
<b>Settings</b> <table border="1"> <tr><td>Acquisition cycle</td><td>1 s</td><td>Acquisition mode</td><td>Cyclic in operation</td><td></td><td></td></tr> </table>				Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																						
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																										
<b>Limits</b> <table border="1"> <tr><td>Upper 2</td><td></td><td>Upper 1</td><td></td><td>Lower 1</td><td></td></tr> <tr><td>Lower 2</td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Upper 2		Upper 1		Lower 1		Lower 2																			
Upper 2		Upper 1		Lower 1																									
Lower 2																													
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Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0																								
HMI device value range end value	100	HMI device value range start value	0																										
<b>Values</b> <table border="1"> <tr><td>ID tag</td><td></td><td>Start value</td><td></td><td></td><td></td></tr> <tr><td>Comment</td><td></td><td>Source comment</td><td></td><td></td><td></td></tr> </table>				ID tag		Start value				Comment		Source comment																	
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Comment		Source comment																											
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Multiplexing	Disabled	Index tag																											
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Data log																													
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<b>Yes_Safety</b>																													
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Name	Yes_Safety	Display name		Connection	<Internal tag>																								
Data type	Bool	Array elements	0	Length	1																								
Address		Access mode	<symbolic access>	PLC tag																									
Coding	Binary	PLC name																											
<b>Settings</b> <table border="1"> <tr><td>Acquisition cycle</td><td>1 s</td><td>Acquisition mode</td><td>Cyclic in operation</td><td></td><td></td></tr> </table>				Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																						
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<b>Limits</b> <table border="1"> <tr><td>Upper 2</td><td></td><td>Upper 1</td><td></td><td>Lower 1</td><td></td></tr> <tr><td>Lower 2</td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Upper 2		Upper 1		Lower 1		Lower 2																			
Upper 2		Upper 1		Lower 1																									
Lower 2																													
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HMI device value range end value	100	HMI device value range start value	0																										
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Comment		Source comment																											
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Multiplexing	Disabled	Index tag																											
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Data log																													

Totally Integrated Automation Portal					
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<b>General</b>					
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Coding	Binary	PLC name			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
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Upper 2		Upper 1		Lower 1	
Lower 2					
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HMI device value range end value	100	HMI device value range start value	0		
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ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			
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Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
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PLC name	PLC_1				
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Upper 2		Upper 1		Lower 1	
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ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
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Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
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PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
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Lower 2					
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HMI device value range end value	100	HMI device value range start value	0		
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ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			
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Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled

Totally Integrated Automation Portal				
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<b>Process Data_MB Drive Speed</b>				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Lower 2				
<b>Linear scaling</b>				
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HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>General</b>				
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Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Upper 2		Upper 1		Lower 1
Lower 2				
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HMI device value range end value	100	HMI device value range start value	0	
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Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>General</b>				
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Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Lower 2				
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HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled

Totally Integrated Automation Portal				
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<b>MbConfig_ERR_MESS</b>				
<b>General</b>				
Name	MbConfig_ERR_MESS	Display name		Connection HMI_Connection_1
Data type	Int	Array elements	0	Length 2
Address		Access mode	<symbolic access>	PLC tag MbConfig.ERR_MESS
Coding	Binary	PLC name	PLC_1	
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Upper 2		Upper 1		Lower 1
Lower 2				
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ID tag		Start value		
Comment				
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
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Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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Data type	Word	Array elements	0	Length 2
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Coding	Binary	PLC name	PLC_1	
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Lower 2				
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HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment				
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>General</b>				
Name	Midframe_Dispenser	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
<b>Settings</b>				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
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HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment				
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled

Totally Integrated Automation Portal					
<b>Midframe_Dispenser</b>					
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<b>General</b>					
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PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
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ID tag		Start value			
Comment		Source comment			
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Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>Build_Block</b>					
<b>Tread_Dispenser</b>					
<b>General</b>					
Name	Tread_Dispenser	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
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Lower 2					
<b>Linear scaling</b>					
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HMI device value range end value	100	HMI device value range start value	0		
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Comment		Source comment			
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Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
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Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>Tread_Dispenser</b>					
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<b>General</b>					
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Data type	Bool	Array elements	0	Length	1
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PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
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Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled

Totally Integrated Automation Portal					
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<b>Turret_Dispatcher</b>					
<b>General</b>					
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Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment					
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
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<b>hmi_Activate_Tr</b>					
<b>General</b>					
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Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
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HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment					
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
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<b>hmi_Activate_B</b>					
<b>General</b>					
Name	hmi_Activate_B	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
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PLC name	PLC_1				
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
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Lower 2					
<b>Linear scaling</b>					
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HMI device value range end value	100	HMI device value range start value	0		
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ID tag		Start value			
Comment					
Comment		Source comment			
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Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled

Totally Integrated Automation Portal				
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<b>hmi_Activate_T</b>				
<b>General</b>				
Name	hmi_Activate_T	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Lower 2				
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ID tag		Start value		
Comment				
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
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<b>General</b>				
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Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment				
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>hmi_Activate_BB</b>				
<b>General</b>				
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Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
<b>Settings</b>				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment				
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled

Totally Integrated Automation Portal				
<b>hmi_Activate_BB</b>				
<b>Process Data_AirPressure</b>				
<b>General</b>				
Name	Process Data_AirPressure	Display name		Connection HMI_Connection_1
Data type	Int	Array elements	0	Length 2
Address		Access mode	<symbolic access>	PLC tag "Process Data".AirPressure
Coding	Binary	PLC name	PLC_1	
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>General</b>				
Name	clockwise	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
<b>Settings</b>				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
<b>GMP (Good Manufacturing Practice)</b>				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
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<b>General</b>				
Name	counterclockwise	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
<b>Settings</b>				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
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Confirmation type	None	GMP relevant	Disabled	Comment required Disabled

Totally Integrated Automation Portal					
<b>cOUNTERCLOCKWISE</b>					
<b>Fdir</b>					
<b>General</b>					
Name	Fdir	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>Rdir</b>					
<b>Rdir</b>					
<b>General</b>					
Name	Rdir	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
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<b>Red</b>					
<b>General</b>					
Name	Red	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
<b>GMP (Good Manufacturing Practice)</b>					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled

Totally Integrated Automation Portal			
<b>Red</b>			
<b>VFD_ON</b>			
<b>General</b>			
Name	VFD_ON	Display name	
Data type	Bool	Array elements	0
Address		Access mode	<symbolic access>
PLC name	PLC_1		
<b>Settings</b>			
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation
<b>Limits</b>			
Upper 2		Upper 1	
Lower 2			Lower 1
<b>Linear scaling</b>			
Linear scaling	Disabled	PLC value range end value	10
HMI device value range end value	100	HMI device value range start value	0
<b>Values</b>			
ID tag		Start value	
<b>Comment</b>			
Comment		Source comment	
<b>Multiplexing</b>			
Multiplexing	Disabled	Index tag	
<b>Logging</b>			
Data log			
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Confirmation type	None	GMP relevant	Disabled
		Comment required	Disabled
<b>VFD_ON</b>			
<b>Process Data_Rotations</b>			
<b>General</b>			
Name	Process Data_Rotations	Display name	
Data type	Int	Array elements	0
Address		Access mode	<symbolic access>
Coding	Binary	PLC name	PLC_1
<b>Settings</b>			
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation
<b>Limits</b>			
Upper 2		Upper 1	
Lower 2			Lower 1
<b>Linear scaling</b>			
Linear scaling	Disabled	PLC value range end value	10
HMI device value range end value	100	HMI device value range start value	0
<b>Values</b>			
ID tag		Start value	
<b>Comment</b>			
Comment		Source comment	
<b>Multiplexing</b>			
Multiplexing	Disabled	Index tag	
<b>Logging</b>			
Data log			
<b>GMP (Good Manufacturing Practice)</b>			
Confirmation type	None	GMP relevant	Disabled
		Comment required	Disabled

Totally Integrated Automation Portal																													
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / HMI tags</b>																													
<b>ModBus [5]</b>																													
<b>HMI_Stop_MB</b>																													
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Name	HMI_Stop_MB	Display name		Connection	HMI_Connection_1																								
Data type	Bool	Array elements	0	Length	1																								
Address		Access mode	<symbolic access>	Coding	Binary																								
PLC name	PLC_1																												
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Lower 2																													
<b>Linear scaling</b> <table border="1"> <tr> <td>Linear scaling</td><td>Disabled</td><td>PLC value range end value</td><td>10</td><td>PLC value range start value</td><td>0</td></tr> <tr> <td>HMI device value range end value</td><td>100</td><td>HMI device value range start value</td><td>0</td><td></td><td></td></tr> </table>				Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0	HMI device value range end value	100	HMI device value range start value	0																
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0																								
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<b>Values</b> <table border="1"> <tr> <td>ID tag</td><td></td><td>Start value</td><td></td><td></td><td></td></tr> <tr> <td>Comment</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Comment</td><td></td><td>Source comment</td><td></td><td></td><td></td></tr> </table>				ID tag		Start value				Comment						Comment		Source comment											
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Comment																													
Comment		Source comment																											
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Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled																								
<b>StopMB</b>																													
<b>HMI_Forward_MB</b>																													
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Name	HMI_Forward_MB	Display name		Connection	HMI_Connection_1																								
Data type	Bool	Array elements	0	Length	1																								
Address		Access mode	<symbolic access>	Coding	Binary																								
PLC name	PLC_1																												
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Lower 2																													
<b>Linear scaling</b> <table border="1"> <tr> <td>Linear scaling</td><td>Disabled</td><td>PLC value range end value</td><td>10</td><td>PLC value range start value</td><td>0</td></tr> <tr> <td>HMI device value range end value</td><td>100</td><td>HMI device value range start value</td><td>0</td><td></td><td></td></tr> </table>				Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0	HMI device value range end value	100	HMI device value range start value	0																
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HMI device value range end value	100	HMI device value range start value	0																										
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ID tag		Start value																											
Comment																													
Comment		Source comment																											
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Multiplexing	Disabled	Index tag																											
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Data log																													
<b>GMP (Good Manufacturing Practice)</b> <table border="1"> <tr> <td>Confirmation type</td><td>None</td><td>GMP relevant</td><td>Disabled</td><td>Comment required</td><td>Disabled</td></tr> </table>				Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled																				
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled																								
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<b>HMI_Reverse_MB</b>																													
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Name	HMI_Reverse_MB	Display name		Connection	HMI_Connection_1																								
Data type	Bool	Array elements	0	Length	1																								
Address		Access mode	<symbolic access>	Coding	Binary																								
PLC name	PLC_1																												
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																										
<b>Limits</b> <table border="1"> <tr> <td>Upper 2</td><td></td><td>Upper 1</td><td></td><td>Lower 1</td><td></td></tr> <tr> <td>Lower 2</td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Upper 2		Upper 1		Lower 1		Lower 2																			
Upper 2		Upper 1		Lower 1																									
Lower 2																													
<b>Linear scaling</b> <table border="1"> <tr> <td>Linear scaling</td><td>Disabled</td><td>PLC value range end value</td><td>10</td><td>PLC value range start value</td><td>0</td></tr> <tr> <td>HMI device value range end value</td><td>100</td><td>HMI device value range start value</td><td>0</td><td></td><td></td></tr> </table>				Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0	HMI device value range end value	100	HMI device value range start value	0																
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0																								
HMI device value range end value	100	HMI device value range start value	0																										
<b>Values</b> <table border="1"> <tr> <td>ID tag</td><td></td><td>Start value</td><td></td><td></td><td></td></tr> <tr> <td>Comment</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Comment</td><td></td><td>Source comment</td><td></td><td></td><td></td></tr> </table>				ID tag		Start value				Comment						Comment		Source comment											
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Comment																													
Comment		Source comment																											
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Multiplexing	Disabled	Index tag																											

Totally Integrated Automation Portal				
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
<b>ReverseMB</b>				
<b>HMI_Jog_MB</b>				
<b>General</b>				
Name	HMI_Jog_MB	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
<b>Comment</b>				
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
<b>JogMB</b>				
<b>HMI_Run_MB</b>				
<b>General</b>				
Name	HMI_Run_MB	Display name		Connection HMI_Connection_1
Data type	Bool	Array elements	0	Length 1
Address		Access mode	<symbolic access>	Coding Binary
PLC name	PLC_1			
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
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Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value 0
HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
<b>Comment</b>				
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required Disabled
<b>RunMB</b>				

Totally Integrated Automation Portal			
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / HMI tags</b>			
<b>Robot [10]</b>			
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<b>General</b> Name: Error Reset   Display name:   Connection: HMI_Connection_1 Data type: Bool   Array elements: 0   Length: 1 Address:   Access mode: <symbolic access>   Coding: Binary PLC name: PLC_1			
<b>Settings</b>			
Acquisition cycle: 1 s	Acquisition mode: Cyclic in operation		
<b>Limits</b>			
Upper 2	Upper 1		Lower 1
Lower 2			
<b>Linear scaling</b>			
Linear scaling: Disabled	PLC value range end value: 10	PLC value range start value: 0	
HMI device value range end value: 100	HMI device value range start value: 0		
<b>Values</b>			
ID tag:	Start value:		
<b>Comment</b>			
Comment:	Source comment:		
<b>Multiplexing</b>			
Multiplexing: Disabled	Index tag:		
<b>Logging</b>			
Data log:			
<b>GMP (Good Manufacturing Practice)</b>			
Confirmation type: None	GMP relevant: Disabled	Comment required: Disabled	
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<b>Motor On</b>			
<b>General</b> Name: Motor On   Display name:   Connection: HMI_Connection_1 Data type: Bool   Array elements: 0   Length: 1 Address:   Access mode: <symbolic access>   Coding: Binary PLC name: PLC_1			
<b>Settings</b>			
Acquisition cycle: 1 s	Acquisition mode: Cyclic in operation		
<b>Limits</b>			
Upper 2	Upper 1		Lower 1
Lower 2			
<b>Linear scaling</b>			
Linear scaling: Disabled	PLC value range end value: 10	PLC value range start value: 0	
HMI device value range end value: 100	HMI device value range start value: 0		
<b>Values</b>			
ID tag:	Start value:		
<b>Comment</b>			
Comment:	Source comment:		
<b>Multiplexing</b>			
Multiplexing: Disabled	Index tag:		
<b>Logging</b>			
Data log:			
<b>GMP (Good Manufacturing Practice)</b>			
Confirmation type: None	GMP relevant: Disabled	Comment required: Disabled	
<b>hmi_servo_on</b>			
<b>Program Start</b>			
<b>General</b> Name: Program Start   Display name:   Connection: HMI_Connection_1 Data type: Bool   Array elements: 0   Length: 1 Address:   Access mode: <symbolic access>   Coding: Binary PLC name: PLC_1			
<b>Settings</b>			
Acquisition cycle: 1 s	Acquisition mode: Cyclic in operation		
<b>Limits</b>			
Upper 2	Upper 1		Lower 1
Lower 2			
<b>Linear scaling</b>			
Linear scaling: Disabled	PLC value range end value: 10	PLC value range start value: 0	
HMI device value range end value: 100	HMI device value range start value: 0		
<b>Values</b>			
ID tag:	Start value:		
<b>Comment</b>			
Comment:	Source comment:		
<b>Multiplexing</b>			
Multiplexing: Disabled	Index tag:		

Totally Integrated Automation Portal					
<b>Logging</b>					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>hmi_start_robot</b>					
<b>Execute</b>					
<b>General</b>					
Name	Execute	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
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<b>Stop Robot</b>					
<b>General</b>					
Name	Stop Robot	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
<b>Logging</b>					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>hmi_kill</b>					
<b>Enable_Input</b>					
<b>General</b>					
Name	Enable_Input	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
<b>Comment</b>					
Comment		Source comment			

Totally Integrated Automation Portal					
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
Logging					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>hmi_enable_input</b>					
<b>High Speed On</b>					
<b>General</b>					
Name	High Speed On	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
Logging					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>Servo_On</b>					
<b>Waiting</b>					
<b>General</b>					
Name	Waiting	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			
Comment		Source comment			
<b>Multiplexing</b>					
Multiplexing	Disabled	Index tag			
Logging					
Data log					
GMP (Good Manufacturing Practice)					
Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled
<b>Next</b>					
<b>Program Running</b>					
<b>General</b>					
Name	Program Running	Display name		Connection	HMI_Connection_1
Data type	Bool	Array elements	0	Length	1
Address		Access mode	<symbolic access>	Coding	Binary
PLC name	PLC_1				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Upper 1		Lower 1	
Lower 2					
<b>Linear scaling</b>					
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0
HMI device value range end value	100	HMI device value range start value	0		
<b>Values</b>					
ID tag		Start value			

Totally Integrated Automation Portal			
<b>Comment</b>			
Comment		Source comment	
<b>Multiplexing</b>			
Multiplexing	Disabled	Index tag	
<b>Logging</b>			
Data log			
<b>GMP (Good Manufacturing Practice)</b>			
Confirmation type	None	GMP relevant	Disabled
<b>Comment required</b>			
			Disabled
<b>External_Input_En</b>			
<b>Start_Robot</b>			
<b>General</b>			
Name	Start_Robot	Display name	
Data type	Bool	Array elements	0
Address		Access mode	<symbolic access>
PLC name	PLC_1	Connection	HMI_Connection_1
<b>Settings</b>			
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation
<b>Limits</b>			
Upper 2		Upper 1	
Lower 2			Lower 1
<b>Linear scaling</b>			
Linear scaling	Disabled	PLC value range end value	10
HMI device value range end value	100	HMI device value range start value	0
<b>Values</b>			
ID tag		Start value	
<b>Comment</b>			
Comment		Source comment	
<b>Multiplexing</b>			
Multiplexing	Disabled	Index tag	
<b>Logging</b>			
Data log			
<b>GMP (Good Manufacturing Practice)</b>			
Confirmation type	None	GMP relevant	Disabled
<b>Comment required</b>			
			Disabled
<b>Start_Robot</b>			

Totally Integrated Automation Portal																											
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / HMI tags</b>																											
<b>VFD_Diag [7]</b>																											
<b>Drive_On</b>																											
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Name	Drive_On	Display name		Connection	HMI_Connection_1																						
Data type	Bool	Array elements	0	Length	1																						
Address		Access mode	<symbolic access>	Coding	Binary																						
PLC name	PLC_1																										
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Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0																						
HMI device value range end value	100	HMI device value range start value	0																								
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ID tag		Start value																									
Comment																											
Comment		Source comment																									
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Multiplexing	Disabled	Index tag																									
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Confirmation type	None	GMP relevant	Disabled	Comment required	Disabled																						
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<b>Reverse_Drive</b>																											
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Name	Reverse_Drive	Display name		Connection	HMI_Connection_1																						
Data type	Bool	Array elements	0	Length	1																						
Address		Access mode	<symbolic access>	Coding	Binary																						
PLC name	PLC_1																										
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Upper 2		Upper 1		Lower 1																							
Lower 2																											
<b>Linear scaling</b> <table border="1"> <tr><td>Linear scaling</td><td>Disabled</td><td>PLC value range end value</td><td>10</td><td>PLC value range start value</td><td>0</td></tr> <tr><td>HMI device value range end value</td><td>100</td><td>HMI device value range start value</td><td>0</td><td></td><td></td></tr> </table>				Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0	HMI device value range end value	100	HMI device value range start value	0														
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HMI device value range end value	100	HMI device value range start value	0																								
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Comment		Source comment																									
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<b>Logging</b> <table border="1"> <tr><td>Data log</td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Data log																							
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<b>Bay_Number</b>																											
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Name	Bay_Number	Display name		Connection	HMI_Connection_1																						
Data type	Int	Array elements	0	Length	2																						
Address		Access mode	<symbolic access>	PLC tag	"Process Data".BayNumber																						
Coding	Binary	PLC name	PLC_1																								
<b>Settings</b> <table border="1"> <tr><td>Acquisition cycle</td><td>1 s</td><td>Acquisition mode</td><td>Cyclic in operation</td><td></td><td></td></tr> </table>				Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation																								
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Upper 2		Upper 1		Lower 1																							
Lower 2																											
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Linear scaling	Disabled	PLC value range end value	10	PLC value range start value	0																						
HMI device value range end value	100	HMI device value range start value	0																								
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ID tag		Start value																									
Comment																											
Comment		Source comment																									
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Multiplexing	Disabled	Index tag																									

Totally Integrated Automation Portal				
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required
<b>Run</b>				
<b>General</b>				
Name	Run	Display name		Connection
Data type	Bool	Array elements	0	Length
Address		Access mode	<symbolic access>	Coding
PLC name	PLC_1			Binary
<b>Settings</b>				
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value
HMI device value range end value	100	HMI device value range start value	0	
<b>Values</b>				
ID tag		Start value		
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required
<b>hmi_motor_on</b>				
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<b>General</b>				
Name	Stop Drive	Display name		Connection
Data type	Bool	Array elements	0	Length
Address		Access mode	<symbolic access>	Coding
PLC name	PLC_1			Binary
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<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value
HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment		Source comment		
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Multiplexing	Disabled	Index tag		
<b>Logging</b>				
Data log				
GMP (Good Manufacturing Practice)				
Confirmation type	None	GMP relevant	Disabled	Comment required
<b>hmi_drive_on</b>				
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<b>General</b>				
Name	Speed	Display name		Connection
Data type	Int	Array elements	0	Length
Address		Access mode	<symbolic access>	PLC tag
Coding	Binary	PLC name	PLC_1	"Process Data"."Drive Speed"
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Acquisition cycle	1 s	Acquisition mode	Cyclic in operation	
<b>Limits</b>				
Upper 2		Upper 1		Lower 1
Lower 2				
<b>Linear scaling</b>				
Linear scaling	Disabled	PLC value range end value	10	PLC value range start value
HMI device value range end value	100	HMI device value range start value	0	
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ID tag		Start value		
Comment		Source comment		
<b>Multiplexing</b>				
Multiplexing	Disabled	Index tag		

Totally Integrated Automation Portal		
<b>Logging</b>		
Data log		
<b>GMP (Good Manufacturing Practice)</b>		
Confirmation type	None	GMP relevant Disabled  Comment required Disabled
<b>Home</b>		
<b>General</b>		
Name	Home	Display name  Connection HMI_Connection_1
Data type	Bool	Array elements 0 Length 1
Address		Access mode <symbolic access> Coding Binary
PLC name	PLC_1	
<b>Settings</b>		
Acquisition cycle	1 s	Acquisition mode Cyclic in operation
<b>Limits</b>		
Upper 2		Upper 1  Lower 1
Lower 2		
<b>Linear scaling</b>		
Linear scaling	Disabled	PLC value range end value 10  PLC value range start value 0
HMI device value range end value	100	HMI device value range start value 0
<b>Values</b>		
ID tag		Start value  Source comment
Comment		
Comment		
<b>Multiplexing</b>		
Multiplexing	Disabled	Index tag
<b>Logging</b>		
Data log		
<b>GMP (Good Manufacturing Practice)</b>		
Confirmation type	None	GMP relevant Disabled  Comment required Disabled
<b>Go_Home</b>		

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## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]

### Connections

#### HMI\_Connection\_1

Name	HMI_Connection_1	Communication driver	SIMATIC S7 1500	Comment	
Online	Enabled	Station	S71500/ET200MP station_1	Partner	PLC_1
Node	CPU 1511F-1 PN, PROFINET interface (R0/S1)	HMI time synchronization mode	None		

### Parameter

HMI device					
Interface	ETHERNET	Address	192.168.0.30	Access point	S7ONLINE
PLC					
Address	192.168.0.10				

**SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / HMI alarms**

**Discrete alarms**

This folder is empty.

[SeniorProject / PC-System\\_1 \[SIMATIC PC station\] / HMI\\_RT\\_1 \[WinCC RT Advanced\]](#) / HMI alarms

**Analog alarms**

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Totally Integrated Automation Portal										
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / HMI alarms</b>										
<b>Alarm groups</b>										
Alarm_group_1										
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General										
Name	Alarm_group_1	ID	1							
Alarm_group_10										
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General										
Name	Alarm_group_10	ID	10							
Alarm_group_11										
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General										
Name	Alarm_group_11	ID	11							
Alarm_group_12										
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General										
Name	Alarm_group_12	ID	12							
Alarm_group_13										
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General										
Name	Alarm_group_13	ID	13							
Alarm_group_14										
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General										
Name	Alarm_group_14	ID	14							
Alarm_group_15										
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General										
Name	Alarm_group_15	ID	15							
Alarm_group_16										
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General										
Name	Alarm_group_16	ID	16							
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General										
Name	Alarm_group_2	ID	2							
Alarm_group_3										
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General										
Name	Alarm_group_3	ID	3							
Alarm_group_4										
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General										
Name	Alarm_group_4	ID	4							
Alarm_group_5										
<table border="1"> <tr> <td>General</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>Alarm_group_5</td> <td>ID</td> <td>5</td> </tr> </table>			General				Name	Alarm_group_5	ID	5
General										
Name	Alarm_group_5	ID	5							
Alarm_group_6										
<table border="1"> <tr> <td>General</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>Alarm_group_6</td> <td>ID</td> <td>6</td> </tr> </table>			General				Name	Alarm_group_6	ID	6
General										
Name	Alarm_group_6	ID	6							
Alarm_group_7										
<table border="1"> <tr> <td>General</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>Alarm_group_7</td> <td>ID</td> <td>7</td> </tr> </table>			General				Name	Alarm_group_7	ID	7
General										
Name	Alarm_group_7	ID	7							
Alarm_group_8										
<table border="1"> <tr> <td>General</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>Alarm_group_8</td> <td>ID</td> <td>8</td> </tr> </table>			General				Name	Alarm_group_8	ID	8
General										
Name	Alarm_group_8	ID	8							
Alarm_group_9										
<table border="1"> <tr> <td>General</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>Alarm_group_9</td> <td>ID</td> <td>9</td> </tr> </table>			General				Name	Alarm_group_9	ID	9
General										
Name	Alarm_group_9	ID	9							

Totally Integrated Automation Portal			
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## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / HMI alarms

### Alarm classes

#### Acknowledgement

General					
Name	Acknowledgement	Display name	A	ID	33
Common alarm class	Acknowledgement	Alarm log	<No log>	E-mail address	
Acknowledgment					
State machine	Alarm with single-mode acknowledgment				
State texts					
Text for "Incoming"	I	Text for "Outgoing"	O	Text for "Acknowledged"	A
Colors					
Background "Incoming/Acknowledged"	255, 255, 255	"Incoming/Acknowledged" flashing	Disabled	Background "Incoming"	255, 0, 0
"Incoming" flashing	Disabled	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255	"Incoming/Outgoing/Acknowledged" flashing	Disabled
Background "Incoming/Outgoing"	255, 0, 0	"Incoming/Outgoing" flashing	Disabled		

#### Diagnosis events

General					
Name	Diagnosis events	Display name	S7	ID	4
Common alarm class	<No alarm class>	Alarm log	<No log>	E-mail address	
Acknowledgment					
State machine	Alarm without acknowledgment				
State texts					
Text for "Incoming"	I	Text for "Outgoing"	O	Text for "Acknowledged"	A
Colors					
Background "Incoming/Acknowledged"	255, 255, 255	"Incoming/Acknowledged" flashing	Disabled	Background "Incoming"	255, 255, 255
"Incoming" flashing	Disabled	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255	"Incoming/Outgoing/Acknowledged" flashing	Disabled
Background "Incoming/Outgoing"	255, 255, 255	"Incoming/Outgoing" flashing	Disabled		

#### Errors

General					
Name	Errors	Display name	!	ID	1
Common alarm class	<No alarm class>	Alarm log	<No log>	E-mail address	
Acknowledgment					
State machine	Alarm with single-mode acknowledgment				
State texts					
Text for "Incoming"	I	Text for "Outgoing"	O	Text for "Acknowledged"	A
Colors					
Background "Incoming/Acknowledged"	255, 255, 255	"Incoming/Acknowledged" flashing	Disabled	Background "Incoming"	255, 0, 0
"Incoming" flashing	Disabled	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255	"Incoming/Outgoing/Acknowledged" flashing	Disabled
Background "Incoming/Outgoing"	255, 0, 0	"Incoming/Outgoing" flashing	Disabled		

#### No Acknowledgement

General					
Name	No Acknowledgement	Display name	NA	ID	34
Common alarm class	No Acknowledgement	Alarm log	<No log>	E-mail address	
Acknowledgment					
State machine	Alarm without acknowledgment				
State texts					
Text for "Incoming"	I	Text for "Outgoing"	O	Text for "Acknowledged"	A
Colors					
Background "Incoming/Acknowledged"	255, 255, 255	"Incoming/Acknowledged" flashing	Disabled	Background "Incoming"	255, 0, 0
"Incoming" flashing	Disabled	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255	"Incoming/Outgoing/Acknowledged" flashing	Disabled
Background "Incoming/Outgoing"	255, 0, 0	"Incoming/Outgoing" flashing	Disabled		

#### System

General					
Name	System	Display name	\$	ID	3
Common alarm class	<No alarm class>	Alarm log	<No log>	E-mail address	
Acknowledgment					
State machine	Alarm without acknowledgment				

Totally Integrated Automation Portal			
<b>State texts</b>			
Text for "Incoming"	I	Text for "Outgoing"	O
<b>Colors</b>			
Background "Incom- ing/Acknowledged"	255, 255, 255	"Incoming/Acknowl- edged" flashing	Disabled
"Incoming" flashing	Disabled	Background "Incom- ing/Outgoing/ Acknowledged"	255, 255, 255
Background "Incom- ing/Outgoing"	255, 255, 255	"Incoming/Outgoing" flashing	Disabled
<b>Warnings</b>			
<b>General</b>			
Name	Warnings	Display name	
Common alarm class	<No alarm class>	Alarm log	<No log>
<b>Acknowledgment</b>			
State machine	Alarm without acknowledgment		
<b>State texts</b>			
Text for "Incoming"	I	Text for "Outgoing"	O
<b>Colors</b>			
Background "Incom- ing/Acknowledged"	255, 255, 255	"Incoming/Acknowl- edged" flashing	Disabled
"Incoming" flashing	Disabled	Background "Incom- ing/Outgoing/ Acknowledged"	255, 255, 255
Background "Incom- ing/Outgoing"	255, 255, 255	"Incoming/Outgoing" flashing	Disabled

[SeniorProject / PC-System\\_1 \[SIMATIC PC station\] / HMI\\_RT\\_1 \[WinCC RT Advanced\]](#) / HMI alarms

**Controller alarms**

This folder is empty.

[SeniorProject / PC-System\\_1 \[SIMATIC PC station\] / HMI\\_RT\\_1 \[WinCC RT Advanced\]](#) / HMI alarms

**System events**

This folder is empty.

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]

### Recipes

This folder is empty.

**SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Historical data**

**Datalogs**

This folder is empty.

SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Historical data

**AlarmLogs**

This folder is empty.

[SeniorProject / PC-System\\_1 \[SIMATIC PC station\] / HMI\\_RT\\_1 \[WinCC RT Advanced\] / Scripts](#)

**VB scripts**

This folder is empty.

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]

### Scheduled tasks

This folder is empty.

**SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]****Cycles****1 h****General**

Name	1 h	Cycle time	1	Cycle unit	Hour
<b>Comment</b>					
Comment					

**1 min****General**

Name	1 min	Cycle time	1	Cycle unit	Minute
<b>Comment</b>					
Comment					

**1 s****General**

Name	1 s	Cycle time	1	Cycle unit	Second
<b>Comment</b>					
Comment					

**10 min****General**

Name	10 min	Cycle time	10	Cycle unit	Minute
<b>Comment</b>					
Comment					

**10 s****General**

Name	10 s	Cycle time	10	Cycle unit	Second
<b>Comment</b>					
Comment					

**100 ms****General**

Name	100 ms	Cycle time	100	Cycle unit	Millisecond
<b>Comment</b>					
Comment					

**2 s****General**

Name	2 s	Cycle time	2	Cycle unit	Second
<b>Comment</b>					
Comment					

**5 min****General**

Name	5 min	Cycle time	5	Cycle unit	Minute
<b>Comment</b>					
Comment					

**5 s****General**

Name	5 s	Cycle time	5	Cycle unit	Second
<b>Comment</b>					
Comment					

**500 ms****General**

Name	500 ms	Cycle time	500	Cycle unit	Millisecond
<b>Comment</b>					
Comment					

## SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced]

### Reports

This folder is empty.

**SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Text and graphic lists****Text lists****TextList\_OriginalScreenNames**

Name	TextList_OriginalScreenNames	List range	Value/Range	Comment
------	------------------------------	------------	-------------	---------

**Value: 1**

Entry type	Single value	Text	Root screen
------------	--------------	------	-------------

**TextList\_ScreenNames**

Name	TextList_ScreenNames	List range	Value/Range	Comment
------	----------------------	------------	-------------	---------

**Value: 1**

Entry type	Single value	Text	Sponsors
------------	--------------	------	----------

**Value: 2**

Entry type	Single value	Text	Drive Maintanence
------------	--------------	------	-------------------

**Value: 3**

Entry type	Single value	Text	Run Screen
------------	--------------	------	------------

**Value: 4**

Entry type	Single value	Text	Robot Maintanence
------------	--------------	------	-------------------

**Value: 5**

Entry type	Single value	Text	Pneumatics Maintanence
------------	--------------	------	------------------------

SeniorProject / PC-System\_1 [SIMATIC PC station] / HMI\_RT\_1 [WinCC RT Advanced] / Text and graphic lists

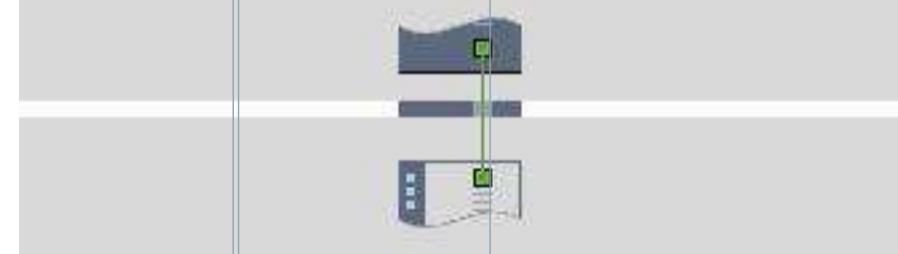
**Graphic lists**

This folder is empty.

Totally Integrated Automation Portal			
SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / User administration			
<b>User</b>			
admin			
<b>General</b>			
Name	admin	Number	1
<b>Automatic logoff</b>			
Automatic logoff	Enabled	Logoff time	5
<b>Comment</b>			
Comment	The user 'Administrator' is assigned to the 'Administrator' group.		
<b>Groups</b>			
Groups	Administrator group;		

Totally Integrated Automation Portal																																						
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / User administration</b>																																						
<b>Groups</b>																																						
<b>Administrator group</b>																																						
<b>General</b> <table border="1"> <tr> <td>Name</td><td>Administrator group</td><td>Display name</td><td>Administrator group</td><td>Number</td><td>1</td></tr> <tr> <td>Password aging</td><td>Disabled</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="6"><b>Comment</b></td></tr> <tr> <td>Comment</td><td>The 'Administrator' group is initially granted all rights.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="6"><b>Authorizations</b></td></tr> <tr> <td>Authorizations</td><td>User administration; Monitor; Operate;</td><td></td><td></td><td></td><td></td></tr> </table>			Name	Administrator group	Display name	Administrator group	Number	1	Password aging	Disabled					<b>Comment</b>						Comment	The 'Administrator' group is initially granted all rights.					<b>Authorizations</b>						Authorizations	User administration; Monitor; Operate;				
Name	Administrator group	Display name	Administrator group	Number	1																																	
Password aging	Disabled																																					
<b>Comment</b>																																						
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Authorizations	User administration; Monitor; Operate;																																					
<b>Users</b>																																						
<b>General</b> <table border="1"> <tr> <td>Name</td><td>Users</td><td>Display name</td><td>Users</td><td>Number</td><td>2</td></tr> <tr> <td>Password aging</td><td>Disabled</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="6"><b>Comment</b></td></tr> <tr> <td>Comment</td><td>The 'Users' group is initially granted 'Operating' rights.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="6"><b>Authorizations</b></td></tr> <tr> <td>Authorizations</td><td>Operate;</td><td></td><td></td><td></td><td></td></tr> </table>			Name	Users	Display name	Users	Number	2	Password aging	Disabled					<b>Comment</b>						Comment	The 'Users' group is initially granted 'Operating' rights.					<b>Authorizations</b>						Authorizations	Operate;				
Name	Users	Display name	Users	Number	2																																	
Password aging	Disabled																																					
<b>Comment</b>																																						
Comment	The 'Users' group is initially granted 'Operating' rights.																																					
<b>Authorizations</b>																																						
Authorizations	Operate;																																					

Totally Integrated Automation Portal										
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / HMI_RT_1 [WinCC RT Advanced] / User administration</b>										
<b>Authorizations</b>										
<b>Monitor</b>										
<table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Monitor</td> </tr> <tr> <td>Comment</td> <td></td> </tr> <tr> <td>Comment</td> <td>'Monitor' authorization.</td> </tr> </tbody> </table>			General		Name	Monitor	Comment		Comment	'Monitor' authorization.
General										
Name	Monitor									
Comment										
Comment	'Monitor' authorization.									
<b>Operate</b>										
<table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Operate</td> </tr> <tr> <td>Comment</td> <td></td> </tr> <tr> <td>Comment</td> <td>'Operate' authorization.</td> </tr> </tbody> </table>			General		Name	Operate	Comment		Comment	'Operate' authorization.
General										
Name	Operate									
Comment										
Comment	'Operate' authorization.									
<b>User administration</b>										
<table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>User administration</td> </tr> <tr> <td>Comment</td> <td></td> </tr> <tr> <td>Comment</td> <td>Authorization 'User administration' for managing users in the user view in Runtime.</td> </tr> </tbody> </table>			General		Name	User administration	Comment		Comment	Authorization 'User administration' for managing users in the user view in Runtime.
General										
Name	User administration									
Comment										
Comment	Authorization 'User administration' for managing users in the user view in Runtime.									

Totally Integrated Automation Portal			
<b>SeniorProject / PC-System_1 [SIMATIC PC station] / Local modules</b>			
<b>IE general_1</b>			
<b>IE general_1</b>			
<b>General</b>			
Name	IE general_1	Author	abondar
Slot	2		
<b>General\Catalog information</b>			
Short designation	IE general	Description	Substitute for any Industrial Ethernet module, ISO, TCP/IP, S7 connections, PG functions, routing, PROFINET IO controller, prioritized startup, ... SIMATIC NET PC software V8.2
Article number		IE_CP	
Software version	V8.2.0		
<b>General\Identification &amp; Maintenance</b>			
Plant designation		Location identifier	
<b>PROFINET interface [X1]\General</b>			
Name	PROFINET interface	Comment	
<b>PROFINET interface [X1]\Options\Connection establishment monitoring</b>			
Timeout	10s		
<b>PROFINET interface [X1]\Ethernet addresses\Interface networked with</b>			
Subnet:	PN/IE_1		
<b>PROFINET interface [X1]\Ethernet addresses\ISO protocol</b>			
Use ISO protocol	False		
<b>PROFINET interface [X1]\Ethernet addresses\IP protocol</b>			
Use IP protocol	True	IP address:	192.168.0.30
Use router	False	Subnet mask:	255.255.255.0
<b>PROFINET interface [X1]\Ethernet addresses\PROFINET</b>			
Generate PROFINET device name automatically	True	PROFINET device name:	pc-system_1.ie general_1
Converted name:			pc-systemxb1.iexageneralxb1188f
Device number:	0		
<b>PROFINET interface [X1]\Advanced options\Interface options</b>			
Use IEC V2.2 LLDP mode	True	Keep-Alive connection monitoring:	30s
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1]\General</b>			
Name	Port_1	Comment	
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Local port:</b>			
Local port:	IE general_1\PROFINET interface [X1]\Port_1 [X1 P1]	Medium:	Copper
			
<b>PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Partner port:</b>			
	Monitoring of partner port is not possible	Partner port:	Any partner

## SeniorProject

### G120 CU240E\_2\_PN [G120 CU240E-2 PN]

This folder is empty.

## SeniorProject / G120 CU240E\_2 PN [G120 CU240E-2 PN]

### Traces

Name

## SeniorProject / G120 CU240E\_2 PN [G120 CU240E-2 PN] / Traces

### Measurements

This folder is empty.

SeniorProject / G120 CU240E\_2\_PN [G120 CU240E-2 PN] / Traces

Combined measurements

Name

## SeniorProject

### Ungrouped devices

This folder is empty.

[SeniorProject](#) / Security settings / Security features

**Log files (offline view)**

This folder is empty.

## SeniorProject / Common data

### Alarm classes

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

## SeniorProject / Common data / Logs

### F-change history PLC\_1 2019-10-18 18:35:33

F-change history PLC_1 2019-10-18 18:35:33				
!	Message	Date	Time	User
i	F-activation for the CPU PLC_1 was enabled	10/18/2019	6:35:33 PM	WIN\abondar
i	F-change history for the CPU PLC_1 was enabled	10/28/2019	12:34:20 AM	DOMINATOR\alexb
i	The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:34:38 AM	DOMINATOR\alexb
i	▼ The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:40:48 AM	DOMINATOR\alexb
i	Main_Safety_RTG1 was compiled. Checksum: 0xFA5A604B	10/28/2019	12:40:48 AM	DOMINATOR\alexb
i	Main_Safety_RTG1_DB was compiled. Checksum: 0x27E959F6	10/28/2019	12:40:48 AM	DOMINATOR\alexb
i	▼ The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:41:53 AM	DOMINATOR\alexb
i	Main_Safety_RTG1 was compiled. Checksum: 0xFA5A604B	10/28/2019	12:41:53 AM	DOMINATOR\alexb
i	The safety program was compiled. F-collective signature: 0xB6A8E282	10/28/2019	12:42:31 AM	DOMINATOR\alexb
i	The safety program was loaded to the CPU.	10/28/2019	12:42:45 AM	DOMINATOR\alexb
i	▼ The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:41:27 PM	WIN\abondar
i	Main_Safety_RTG1 was compiled. Checksum: 0xFA5A604B	10/28/2019	12:41:27 PM	WIN\abondar
i	ACK_GL_DB was compiled. Checksum: 0x0000	10/28/2019	12:41:27 PM	WIN\abondar
i	ESTOP1_DB was compiled. Checksum: 0x0000	10/28/2019	12:41:27 PM	WIN\abondar
i	LDrvSafe_SinaGTlg30Control_DB was compiled. Checksum: 0x0000	10/28/2019	12:41:27 PM	WIN\abondar
i	LDrvSafe_SinaGTlg30Status_DB was compiled. Checksum: 0x0000	10/28/2019	12:41:27 PM	WIN\abondar
i	▼ The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:45:43 PM	WIN\abondar
i	Main_Safety_RTG1 was compiled. Checksum: 0xFA5A604B	10/28/2019	12:45:43 PM	WIN\abondar
i	The safety program was compiled. F-collective signature: 0x0000	10/28/2019	12:46:22 PM	WIN\abondar
i	F-change history for the CPU PLC_1 was disabled	10/28/2019	12:47:00 PM	WIN\abondar

## SeniorProject / Common data

### Styles

This folder is empty.

Totally Integrated Automation Portal					
<b>SeniorProject / Common data</b>					
<b>Designs</b>					
<b>WinCC 3D</b>					
<b>General</b>					
Default entry	Disabled	Name	WinCC 3D	Enable hover	Enabled
Hover type effect	Inner glow	Hover color	255, 255, 255	Use shadow	Disabled
Shadow offset X	10	Shadow offset Y	10	Shadow color	0, 0, 0
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	192, 192, 192	Screen fill style	Diagonal gradient forward	Screen fill color	237, 237, 237
Menu and toolbar style	User-defined colors	Menu and toolbar text color	255, 255, 255	Background color of menus and toolbars	192, 192, 192
<b>Basic objects</b>					
Basic object fill style	Solid	Basic object fill pattern	145, 145, 145	Basic object background color	192, 192, 192
Basic object line background color	255, 255, 255	Basic object line color	0, 0, 0	Text field text color	0, 0, 0
Text field fill style	Solid	Text field fill color	145, 145, 145	Text field background color	192, 192, 192
Text field line background color	255, 255, 255	Text field line color	0, 0, 0	Pipe background color	192, 192, 192
<b>Elements</b>					
Button style	Color gradient	Button text color	0, 0, 0	Button background color	192, 192, 192
Round button style	3D style	Round button text color	0, 0, 0	Round button background color	192, 192, 192
Bar text color	0, 0, 0	Bar fill style	Solid	Bar fill color	145, 145, 145
Bar background color	192, 192, 192	Checkbox text color	0, 0, 0	Check box fill style	Solid
Checkbox fill color	145, 145, 145	Checkbox background color	192, 192, 192	Checkbox line background color	255, 255, 255
Checkbox line color	0, 0, 0	Slider style	Color gradient	Slider background color	192, 192, 192
Clock style	3D style	Clock text color	0, 0, 0	Clock background color	192, 192, 192
<b>Controls</b>					
Control design	Default				
<b>Comment</b>					
Comment					

## WinCC Classic

<b>General</b>					
Default entry	Disabled	Name	WinCC Classic	Enable hover	Disabled
Hover type effect	Increase brightness	Hover color	225, 225, 225	Use shadow	Disabled
Shadow offset X	0	Shadow offset Y	0	Shadow color	225, 225, 225
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	182, 182, 182	Screen fill style	Solid	Screen fill color	182, 182, 182
Menu and toolbar style	Windows	Menu and toolbar text color	0, 0, 0	Background color of menus and toolbars	204, 204, 204
<b>Basic objects</b>					
Basic object fill style	Solid	Basic object fill pattern	255, 255, 255	Basic object background color	255, 255, 255
Basic object line background color	255, 255, 255	Basic object line color	0, 0, 0	Text field text color	0, 0, 0
Text field fill style	Transparent	Text field fill color	255, 255, 255	Text field background color	255, 255, 255
Text field line background color	255, 255, 255	Text field line color	0, 0, 0	Pipe background color	128, 128, 128
<b>Elements</b>					
Button style	Rectangular	Button text color	0, 0, 0	Button background color	204, 204, 204
Round button style	Simple	Round button text color	0, 0, 0	Round button background color	204, 204, 204
Bar text color	0, 0, 0	Bar fill style	Solid	Bar fill color	204, 204, 204
Bar background color	204, 204, 204	Checkbox text color	0, 0, 0	Check box fill style	Solid
Checkbox fill color	204, 204, 204	Checkbox background color	204, 204, 204	Checkbox line background color	255, 255, 255
Checkbox line color	0, 0, 0	Slider style	Simple	Slider background color	204, 204, 204
Clock style	Simple	Clock text color	0, 0, 0	Clock background color	204, 204, 204
<b>Controls</b>					
Control design	Simple				
<b>Comment</b>					
Comment					

## WinCC Dark

<b>General</b>					
Default entry	Disabled	Name	WinCC Dark	Enable hover	Enabled
Hover type effect	Inner glow	Hover color	255, 255, 255	Use shadow	Disabled

Totally Integrated Automation Portal					
Shadow offset X	2	Shadow offset Y	2	Shadow color	0, 0, 0
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	122, 122, 122	Screen fill style	Diagonal gradient forward	Screen fill color	208, 208, 208
Menu and toolbar style	User-defined colors	Menu and toolbar text color	255, 255, 255	Background color of menus and toolbars	90, 90, 90
<b>Basic objects</b>					
Basic object fill style	Vertical gradient with 3 colors	Basic object fill pattern	247, 247, 247	Basic object background color	231, 231, 231
Basic object line background color	255, 255, 255	Basic object line color	73, 73, 73	Text field text color	0, 0, 0
Text field fill style	Solid	Text field fill color	139, 139, 139	Text field background color	255, 255, 255
Text field line background color	255, 255, 255	Text field line color	109, 109, 109	Pipe background color	108, 108, 108
<b>Elements</b>					
Button style	Aero glass	Button text color	255, 255, 255	Button background color	58, 60, 75
Round button style	3D style	Round button text color	255, 255, 255	Round button background color	58, 60, 75
Bar text color	255, 255, 255	Bar fill style	Solid	Bar fill color	58, 60, 75
Bar background color	58, 60, 75	Checkbox text color	255, 255, 255	Check box fill style	Solid
Checkbox fill color	65, 68, 84	Checkbox background color	58, 60, 75	Checkbox line background color	255, 255, 255
Checkbox line color	0, 0, 0	Slider style	Color gradient	Slider background color	74, 76, 84
Clock style	3D style	Clock text color	255, 255, 255	Clock background color	58, 60, 75
<b>Controls</b>					
Control design	Default				
<b>Comment</b>					
Comment					

## WinCC Glass

<b>General</b>					
Default entry	Disabled	Name	WinCC Glass	Enable hover	Enabled
Hover type effect	Inner glow	Hover color	255, 251, 36	Use shadow	Disabled
Shadow offset X	10	Shadow offset Y	10	Shadow color	0, 0, 0
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	237, 237, 237	Screen fill style	Vertical gradient with 3 colors	Screen fill color	119, 196, 255
Menu and toolbar style	Windows	Menu and toolbar text color	0, 0, 0	Background color of menus and toolbars	206, 206, 206
<b>Basic objects</b>					
Basic object fill style	Solid	Basic object fill pattern	240, 248, 255	Basic object background color	100, 149, 237
Basic object line background color	255, 255, 255	Basic object line color	0, 0, 0	Text field text color	0, 0, 0
Text field fill style	Solid	Text field fill color	240, 248, 255	Text field background color	100, 149, 237
Text field line background color	255, 255, 255	Text field line color	0, 0, 0	Pipe background color	206, 206, 206
<b>Elements</b>					
Button style	Aero glass	Button text color	0, 0, 0	Button background color	100, 149, 237
Round button style	Aero glass	Round button text color	0, 0, 0	Round button background color	100, 149, 237
Bar text color	0, 0, 0	Bar fill style	Solid	Bar fill color	240, 248, 255
Bar background color	100, 149, 237	Checkbox text color	0, 0, 0	Check box fill style	Solid
Checkbox fill color	240, 248, 255	Checkbox background color	100, 149, 237	Checkbox line background color	255, 255, 255
Checkbox line color	0, 0, 0	Slider style	Aero glass	Slider background color	100, 149, 237
Clock style	3D style	Clock text color	0, 0, 0	Clock background color	206, 206, 206
<b>Controls</b>					
Control design	Default				
<b>Comment</b>					
Comment					

## WinCC Light

<b>General</b>					
Default entry	Enabled	Name	WinCC Light	Enable hover	Enabled
Hover type effect	Inner glow	Hover color	74, 73, 74	Use shadow	Enabled
Shadow offset X	5	Shadow offset Y	5	Shadow color	96, 96, 96
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	255, 255, 255	Screen fill style	Vertical gradient with 3 colors	Screen fill color	222, 219, 222
Menu and toolbar style	User-defined colors	Menu and toolbar text color	33, 36, 33	Background color of menus and toolbars	231, 231, 231
<b>Basic objects</b>					
Basic object fill style	Solid	Basic object fill pattern	255, 255, 255	Basic object background color	231, 231, 231

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Basic object line background color	255, 255, 255	Basic object line color	165, 162, 165	Text field text color	33, 36, 33
Text field fill style	Solid	Text field fill color	240, 248, 255	Text field background color	231, 231, 231
Text field line background color	255, 255, 255	Text field line color	165, 162, 165	Pipe background color	165, 162, 165
<b>Elements</b>					
Button style	Aero glass	Button text color	255, 255, 255	Button background color	181, 182, 181
Round button style	Aero glass	Round button text color	255, 255, 255	Round button background color	181, 182, 181
Bar text color	132, 130, 132	Bar fill style	Solid	Bar fill color	255, 255, 255
Bar background color	229, 229, 229	Checkbox text color	74, 73, 74	Check box fill style	Solid
Checkbox fill color	240, 248, 255	Checkbox background color	229, 229, 229	Checkbox line background color	255, 255, 255
Checkbox line color	132, 130, 132	Slider style	Aero glass	Slider background color	181, 182, 181
Clock style	Color gradient	Clock text color	132, 130, 132	Clock background color	231, 231, 231
<b>Controls</b>					
Control design	Default				
Comment					
Comment					

## WinCC Simple

<b>General</b>					
Default entry	Disabled	Name	WinCC Simple	Enable hover	Enabled
Hover type effect	Increase brightness	Hover color	199, 205, 38	Use shadow	Disabled
Shadow offset X	10	Shadow offset Y	10	Shadow color	0, 0, 0
Shadow offset synchronize	Enabled				
<b>Appearance</b>					
Screen background color	245, 245, 245	Screen fill style	Vertical gradient with 3 colors	Screen fill color	214, 214, 214
Menu and toolbar style	Windows	Menu and toolbar text color	0, 0, 0	Background color of menus and toolbars	206, 206, 206
<b>Basic objects</b>					
Basic object fill style	Solid	Basic object fill pattern	240, 248, 255	Basic object background color	110, 199, 255
Basic object line background color	255, 255, 255	Basic object line color	0, 0, 0	Text field text color	0, 0, 0
Text field fill style	Solid	Text field fill color	240, 248, 255	Text field background color	110, 199, 255
Text field line background color	255, 255, 255	Text field line color	0, 0, 0	Pipe background color	110, 199, 255
<b>Elements</b>					
Button style	Simple	Button text color	0, 0, 0	Button background color	110, 199, 255
Round button style	Simple	Round button text color	0, 0, 0	Round button background color	110, 199, 255
Bar text color	0, 0, 0	Bar fill style	Solid	Bar fill color	240, 248, 255
Bar background color	110, 199, 255	Checkbox text color	0, 0, 0	Check box fill style	Solid
Checkbox fill color	240, 248, 255	Checkbox background color	110, 199, 255	Checkbox line background color	255, 255, 255
Checkbox line color	0, 0, 0	Slider style	Simple	Slider background color	110, 199, 255
Clock style	Color gradient	Clock text color	0, 0, 0	Clock background color	110, 199, 255
<b>Controls</b>					
Control design	Default				
Comment					
Comment					

Totally Integrated Automation Portal		
<b>SeniorProject / Languages &amp; resources</b>		
<b>Project languages</b>		
<b>Languages</b>		
<b>Reference language</b>		
English (United States)		
<b>Editing language</b>		
English (United States)		
<b>Other project languages</b>		
Empty		

Totally Integrated Automation Portal		
<b>SeniorProject / Languages &amp; resources / Project texts</b>		
<b>Project texts</b>		
<b>Project texts</b>		
English (United States)	Category	Reference
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Errors\alarmclass name not set\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Warnings\alarmclass name not set_1\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \System\alarmclass name not set_2\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Diagnosis events\alarmclass name not set_3\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Safety warnings\alarmclass name not set_4\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Acknowledgement\ShortName
	Alarm class text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \No Acknowledgement\ShortName
	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\FGACK_GL [FB32784]\Block comment
	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\FGESTOP1 [FB32785]\Block comment
	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\FGTP [FB32783]\Block comment
	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Warnings\alarmclass name not set_1\AlarmClassData_IDisplayNaming_DisplayName
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Language\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Language\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_1\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_1\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_2\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_2\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_3\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_3\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_4\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_4\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_5\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_5\Text ON
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_6\Text OFF
	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Template_Button_6\Text ON
!	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
!	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Errors\alarmclass name not set\AlarmClassData_IDisplayNaming_DisplayName
!!	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Safety warnings\alarmclass name not set_4\AlarmClassData_IDisplayNaming_DisplayName
"Main Program Sweep (Cycle)"	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks>Main [OB1]\Block title
\$	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \System\alarmclass name not set_2\AlarmClassData_IDisplayNaming_DisplayName
0	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Permanent area\Symbolic_IO_Field_Screen\Text OFF
0-->1; 1 = Enable the drive (OFF2 / OFF 3 are in default status) (OFF1 = 0-->1)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\EnableAxis
1	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Permanent area\Symbolic_IO_Field_Screen\Text ON
1 = Acknowledge drive error	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\AckError
1 = Drive is enabled	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\AxisEnabled
1 = Drive lockout active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\Lockout
1 = Error (FB and Infeed)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\Error
1=Acknowledgment for reintegration	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_2_1_0_1_21 [FB32768]\ACK_REI
1=Acknowledgment for reintegration	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_1_0_0_21 [FB32772]\ACK_REI

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<b>English (United States)</b>	<b>Category</b>	<b>Reference</b>
1=Acknowledgment for reintegration required	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\ACK_NEC
1=Acknowledgment for reintegration required	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_21 [FB32772]\ACK_NEC
1=Acknowledgment requirement for reintegration	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\ACK_REQ
1=Acknowledgment requirement for reintegration	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\ACK_REQ
1=Disables F-I/O	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\DISABLE
1=Disables F-I/O	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\DISABLE
1=Enable passivation	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\PASS_ON
1=Enable passivation	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\PASS_ON
1=Fail-safe values are output	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\QBAD
1=Fail-safe values are output	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\QBAD
1=F-I/O disabled	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\DISABLED
1=F-I/O disabled	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\DISABLED
A	Alarm class text	SeniorProject\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
A	Alarm class text	SeniorProject\Acknowledgement\ShortName
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Errors\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Warnings\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \System\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Diagnosis events\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Safety warnings\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Acknowledgement\AcknowledgedText
A	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \No Acknowledgement\AcknowledgedText
Acknowledge Safety errors in the drive	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\ackSafetyFaults
Acknowledge Safety errors in the drive	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\internalEventAcknowledge
Activates remote authorization for the use of client-server scenarios.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Enable remote control\Comment
Active system events	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Global screen\System events\Label
Actual in [U/min]	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\ActVelocity
Administrator group	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Administrator group\DisplayName
Alarms	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Alarms\Text OFF
Alarms	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Alarms\Text ON
Authorization 'User administration' for managing users in the user view in Runtime.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\User administration\Comment
Base Dispenser	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens \Pneumatic_Diag\Text field_3\Text
Bay Number	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run \Text field_1\Text
binary programmed input to control all functions in the telegram without its own function block input	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\ConfigAxis
Buffer of Recv-Value	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\pdRecvBuf
Buffer of Send-Value	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\pdSendBuf
Build Block	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens \Pneumatic_Diag\Text field_5\Text
Calling Control Blocks	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks>Main [OB1]\Network 1>Title
Connection diagnostics	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\T_DIAG [SFB106]\Block title

Totally Integrated Automation Portal		
English (United States)	Category	Reference
Copyright (C) Siemens AG 2012. All Rights Reserved. Confidential	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\Block comment
----- SINA_SPEED: Drehzahlregelung mit dem Antriebsbaustein SINAMICS S120/G120 <-> S7-1200		
----- Ersteller: Siemens AG Erlangen A&D MC PM Datum: 07.07.10 Vers.:2.1 Änderung: J.B. Typical Team 07.12.12 2.2 Umsetzung in SCL / TIA Änderung: J.B. Typical Team 29.04.13 2.3 1. "Q" an den Ausgängen entfernen 2. Neuer Ausgang PwrInhibit Änderung: J.B. Typical Team 28.06.13 2.4 Änderung HW-Zugriff über LOG2MOD Änderung: J.B. Typical Team 18.07.13 2.5 Änderung HW-Zugriff über zwei HW-Eingänge Änderung: J.B. Typical Team 17.07.14 3.0 Optimierung Änderung: J.B. Typical Team 30.07.14 4.0 Festlegung auf einheitlicher neuer Version 4.0 Änderung: P.Z. Typical Team 03.12.15 4.1 Schnittstelle an Programmierleitfaden TIA-Potential angepasst zusätzlicher Eingang "ConfigAxis" für STW-Bits Änderung: G.F. Typical Team 01.03.16 4.2 Sollwert auf INT - Grenzen begrenzt Änderung: F.G. Typical Team 13.09.16 4.3 Ausgabewerte am Ausgang "Status" angepasst Änderung: G.F. Typical Team 11.01.17 5.0 - Festlegung auf einheitlicher neuer Version 5.0 Änderung: G.F. Typical Team 03.05.18 5.1 - Alle Bits des Eingang ConfigAxis auf STW1 aufgelegt Bibliothek V7 Funktion: Drehzahlregelung mit dem Antriebsbaustein SINAMICS S120/G120 <-> S7-1200 *****		
Data length	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\MbConfig [DB19]\DATA_LEN
Do Not Go Above 60 PSI!	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Pneumatic_Diag\Text field_7\Text
Drive Maintanence	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_ScreenNames\Text_list_entry_2\Text
Empfangspuffer Static variables	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\swRecvBuf
Enable	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_1\Text OFF
Enable Robot Operation	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\Robot_Control [FC2]\Network 1>Title
Enables Drive	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\Drive_Control [FC1]\Network 1>Title
Error Code	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Text field_3\Text
Error Code	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Text field_4\Text
Error codes of the cyclic system funtion blocks DPWR / DPRD_DAT	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\DiagId
Exit	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Exit\Text OFF
Exit	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Exit\Text ON
F_: Calculation of Elapsed Time	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_ET_LI [FB32775]\Block title
F_: Channel Driver Block 8 BOOL Input not channel granular	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_8BOOL_INPUT_NC [FB32779]\Block title
F_: Channel Driver Block 8 BOOL Output not channel granular	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_8BOOL_OUTPUT_NC [FB32786]\Block title
F_: Cycle Control and Mode	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_CTRL_1 [FB32767]\Block title
F_: cyclic calculation of D-signature	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_CTRL_D [FB32773]\Block title
F_: Emergency STOP up to stop category 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\F_ESTOP1 [FB215]\Block title
F_: F_SYSINFO	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\F_SYSINFO>Title of the PLC data type
F_: Generate pulse	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\F_TP [FB184]\Block title
F_: Global acknowledgement of all F-I/Os in an F-Runtime group	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\F_ACK_GL [FB219]\Block title
F_: Jmp label / Loop - global correction implementation	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_JL_CORR [FC32768]\Block title
F_: Measurement of current and longest run-time	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_CTRL_RT [FB32776]\Block title
F_: Module Driver Block Receive PROFIsafe V2 + Protocolexportation up to 13 Bytes	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_SEEDPASS_RCV [FB32782]\Block title

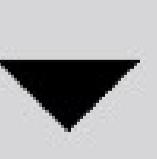
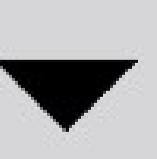
Totally Integrated Automation Portal		
<b>English (United States)</b>	<b>Category</b>	<b>Reference</b>
F_: Module Driver Block Receive PROFIsafe V2 up to 12 Bytes	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PSV2_13_RCV [FB32777]\Block title
F_: Module Driver Block Send PROFIsafe V2 + Protocolextension up to 13 Bytes	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_SEEDPASS_SEND [FB32770]\Block title
F_: Module Driver Block Send PROFIsafe V2 up to 12 Bytes	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PSV2_13_SEND [FB32781]\Block title
F_: Test Block and Programme Run Control	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_CTRL_2 [FB32774]\Block title
Failsafe user-defined data type for PROFIsafe telegram 30 to control the Safety Integrated Functions of SINAMICS G	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\Comment on PLC data type
Failsafe user-defined data type for PROFIsafe telegram 30 to get status information of Safety Integrated Functions of SINAMICS G	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\Comment on PLC data type
Feedback of velocity	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxRecvBuf.Velocity
Forward	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VF_Diag\Button_6\Text OFF
Freely available counter variable 3	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\piCount
F-UDT to control the Safety Functions of SINAMICS G via PROFIsafe telegram 30	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\SinaGTlg30Control
F-UDT to get the status of the Safety Functions of SINAMICS G via PROFIsafe telegram 30	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SinaGTlg30Status
Hardware Identifier actual value slot	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\HWIDZSW
Hardware Identifier set point slot	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\HWIDSTW
Home	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_4\Text OFF
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Errors\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Warnings\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\System\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Diagnosis events\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Safety warnings\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Acknowledgement\ComingText
I	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\No Acknowledgement\ComingText
Initial Run Sequence	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks>Main [OB1]\Network 3>Title
Internal Event occured (Safety error in SINAMICS)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\internalEvent
Internal Event occured (Safety error in SINAMICS)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\safetyFaultActive
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Errors\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Warnings\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\System\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Diagnosis events\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Safety warnings\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\Acknowledgement\ComingGoingText
IO	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\No Acknowledgement\ComingGoingText
Jog	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VF_Diag\Button_8\Text OFF
LDrvSafe_typeSinaGTlg30Control	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control>Title of the PLC data type
LDrvSafe_typeSinaGTlg30Status	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status>Title of the PLC data type
Log on	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Log on\Text OFF
Log on	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Log on\Text ON
MidFrame Dispenser	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Pneumatic_Diag\Text field_1\Text
Modbus client communication	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\IMB_CLIENT [FB1084]\Block title
ModBus Drive	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VF_Diag\Text field_2\Text
Monitor	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Monitor\ShortName
'Monitor' authorization.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Monitor\Comment
Motor On	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VF_Diag\Button_4\Text OFF
Motor On	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Robot_Diag\Button_1\Text OFF
NA	Alarm class text	SeniorProject\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
NA	Alarm class text	SeniorProject\No Acknowledgement\ShortName
Non-fail-safe service information	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\DIAG

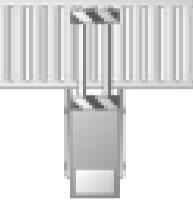
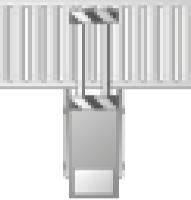
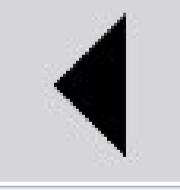
Totally Integrated Automation Portal		
<b>English (United States)</b>	<b>Category</b>	<b>Reference</b>
Non-fail-safe service information	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_1_0_0_21 [FB32772]\DIAG
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Errors\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Warnings\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \System\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Diagnosis events\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Safety warnings\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \Acknowledgement\GoingText
O	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms \No Acknowledgement\GoingText
One of the the four SLS limits is active; operates together with bit 0	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status \SLSbit1Active
One of the the four SLS limits is active; operates together with bit 0	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SLSbit1Active
One of the the four SLS limits is active; operates together with bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status \SLSbit0Active
One of the the four SLS limits is active; operates together with bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SLSbit0Active
Operate	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Operate\ShortName
'Operate' authorization.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Operate\Comment
Passivation output	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\PASS_OUT
Passivation output	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_1_0_0_21 [FB32772]\PASS_OUT
Pending alarms	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Global screen\Alarm window_Pending\Label
Pneumatics Maintanence	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_ScreenNames\Text_list_entry_5\Text
Produt Completion	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run \Text field_5\Text
Profinet Drive	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens \VFD_Diag\Text field_1\Text
PSI	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens \Pneumatic_Diag\Gauge_1\Caption text
QGR	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Runtime settings\HmiAlarmSettingsData\AcknowledgementGroupText
Read consistent data of an IO (sub)module	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources \DPWR_DAT_SFC [SFC15]\Block title
Receive buffer	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxRecvBuf
Receive data	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\TRCV [SFB151]\Block title
Reserve bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved1
Reserve bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved1
Reserve bit 2	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved2
Reserve bit 2	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved2
Reserve bit 3	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved3
Reserve bit 3	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved3
Reserve bit 4	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved4
Reserve bit 4	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved4
Reserve bit 5	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved5
Reserve bit 5	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved5
Reserve bit 6	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved6
Reserve bit 6	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved6
Reserve bit 7	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved7
Reserve bit 7	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\reserved7
Reserve bit 8	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\reserved8
Reset	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run \Button_3\Text OFF
Reset	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Robot_Diag\Button_3\Text OFF
Reset Connection	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\T_RESET [SFB107]\Block title
Reseting System	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks>Main [OB1]\Network 2\Title
Reverse	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens \VFD_Diag\Button_7\Text OFF
Revolutions	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run \Text field_2\Text

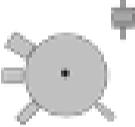
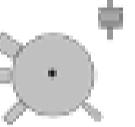
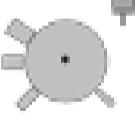
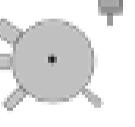
Totally Integrated Automation Portal		
English (United States)	Category	Reference
Robot Maintenance	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_ScreenNames\Text_list_entry_4\Text
Root screen	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_OriginalScreenNames\Text_list_entry_1\Text
RPM	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ VFD_Diag\Slider_1\Label
Run	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ VFD_Diag\Button_9\Text OFF
Run Screen	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_ScreenNames\Text_list_entry_3\Text
S7	Alarm text	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\HMI alarms\ Diagnosis events\alarmclass name not set_3\AlarmClassData_IDisplayNaming_DisplayName
Safety Function Safe Direction (negative direction)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\SDInegative
Safety Function Safe Direction (negative direction)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\SDInegative
Safety Function Safe Direction (negative direction) active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\SDInegativeActive
Safety Function Safe Direction (negative direction) active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SDInegativeActive
Safety Function Safe Direction (positive direction)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\SDIpositive
Safety Function Safe Direction (positive direction)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\SDIpositive
Safety Function Safe Direction (positive direction) active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\SDIpositiveActive
Safety Function Safe Direction (positive direction) active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SDIpositiveActive
Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\SSMActive
Safety Function Safe Speed Monitor; signals, if safe speed is below parameterizable speed limit	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SSMActive
Safety Function Safe Stop 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\SS1
Safety Function Safe Stop 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\SS1
Safety Function Safe Stop 1 active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\SS1active
Safety Function Safe Stop 1 active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SS1active
Safety Function Safe Torque Off	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\STO
Safety Function Safe Torque Off	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\STO
Safety Function Safe Torque Off active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\STOactive
Safety Function Safe Torque Off active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\STOactive
Safety Function Safely-limited Speed	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\SLs
Safety Function Safely-limited Speed	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\SLs
Safety Function Safely-limited Speed active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Status\SLsactive
Safety Function Safely-limited Speed active	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Status [FB29010]\SLsactive
Safety Reset?	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Pop-up screens\Safety Reset Pop-up\Text field_1\Text
Select one of the four SLS limits; operates together with bit 0	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\selectSLSbit1
Select one of the four SLS limits; operates together with bit 0	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\selectSLSbit1
Select one of the four SLS limits; operates together with bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\LDrvSafe_typeSinaGTlg30Control\selectSLSbit0
Select one of the four SLS limits; operates together with bit 1	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\LDrvSafe_SinaGTlg30Control [FB29000]\selectSLSbit0
Send buffer	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxSendBuf
Sendepuffer	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\swSendBuf
Setpoint of velocity	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxSendBuf.Velocity
Skip Sequence	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Robot_Diag\Button_2\Text OFF
Speed	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ VFD_Diag\Slider_2\Label
'Speed Control with SINAMICS and S7'	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\Block title
Speed standardises with the standardisation factor	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\SpeedSp
Sponsors	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Text and graphic lists\TextList_ScreenNames\Text_list_entry_1\Text
Standardisation factor of speed	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\RefSpeed
Start	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_1\Text OFF
Start addr from the I/O process image area of mod (DEC) for DPWR_DAT/DPRD_DAT	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\phLAddr
Start address	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\MbConfig [DB19]\DATA_ADDR
Start screen	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Start screen\Text OFF
Start screen	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Templates\Template_1\Start screen\Text ON

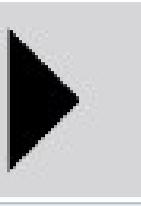
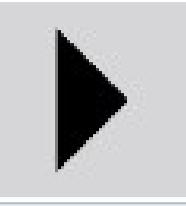
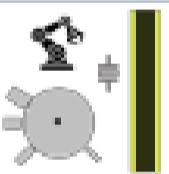
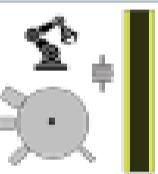
Totally Integrated Automation Portal		
<b>English (United States)</b>	<b>Category</b>	<b>Reference</b>
Status for fault analysis	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\piRetSFC
Status output (7002 = FB in operation; 8xxx = error description - read the manual)	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\Status
Stop	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_3\Text OFF
Stop	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_2\Text OFF
Stop	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_5\Text OFF
STOP	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Robot_Diag\Button_4\Text OFF
STW1sxSTW1 : STRUCT Bit08 : BOOL:=False; // ST-Wort-1 Bit 08 --> Reserve Bit09 : BOOL:=False; // ST-Wort-1 Bit 09 --> Reserve Bit10 : BOOL:=True; // ST-Wort-1 Bit 10 --> FÃ¼hrung durch PLC Dir : BOOL:=False; // ST-Wort-1 Bit 11 --> Direction Bit12 : BOOL:=False; // ST-Wort-1 Bit 12 --> Haltebremse unbedingt Ã¶ffnen Bit13 : BOOL:=False; // ST-Wort-1 Bit 13 --> Motorpotenziometer Sollwert hÃ¶her Bit14 : BOOL:=False; // ST-Wort-1 Bit 14 --> Motorpotenziometer Sollwert tiefer Bit15 : BOOL:=False; // ST-Wort-1 Bit 15 --> Reserviert Off1 : BOOL:=False; // ST-Wort-1 Bit 00 --> OFF1/ON (flanks acceptance) Off2 : BOOL:=True; // ST-Wort-1 Bit 01 --> OFF2/ON (enable possible) Off3 : BOOL:=True; // ST-Wort-1 Bit 02 --> OFF3/ON (enable possible) InvEn : BOOL:=True; // ST-Wort-1 Bit 03 --> Enable controller RampEn : BOOL:=True; // ST-Wort-1 Bit 04 --> Ramp enable RampOn : BOOL:=True; // ST-Wort-1 Bit 05 --> Ramp On SpEn : BOOL:=True; // ST-Wort-1 Bit 06 --> Speed set point enable AckFlt : BOOL:=False; // ST-Wort-1 Bit 07 --> Acknowledge fault END_STRUCT;	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxSendBuf.STW1	
Tag for parameter reassignment of fail-safe DP standard slaves/I/O standard devices or for enabling HART communication	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\IPAR_OK
Tag for parameter reassignment of fail-safe DP standard slaves/I/O standard devices or for enabling HART communication	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_IN_2_0_0_0_0_0_0_0_2_1_0_1_21 [FB32768]\IPAR_EN
Tag for parameter reassignment of fail-safe DP standard slaves/I/O standard devices or for enabling HART communication	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\IPAR_OK
Tag for parameter reassignment of fail-safe DP standard slaves/I/O standard devices or for enabling HART communication	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\STEP 7 Safety\Compiler blocks\F_PS_INOUT_R_2_0_0_0_0_0_0_1_0_0_0_21 [FB32772]\IPAR_EN
TCP_MB_FC1_4_Req	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC1_4_Req\Title of the PLC data type
TCP_MB_FC1_4_ValResp	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC1_4_Val-Resp\Title of the PLC data type
TCP_MB_FC11_Req	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC11_Req\Title of the PLC data type
TCP_MB_FC15_16_Req	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC15_16_Req\Title of the PLC data type
TCP_MB_FC5_6_Req	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC5_6_Req\Title of the PLC data type
TCP_MB_FC5_6_ValResp	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC5_6_Val-Resp\Title of the PLC data type
TCP_MB_FC8_Req	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FC8_Req\Title of the PLC data type
TCP_MB_FCx_ErrResp	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\PLC data types\System data types\TCP_MB_FCx_ErrResp\Title of the PLC data type
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_1\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_3\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_4\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_1\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_2\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Run\Button_3\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_5\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_6\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_7\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_8\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\VFD_Diag\Button_9\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Pneumatic_Diag\Button_1\Text OFF
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\Pneumatic_Diag\Button_1\Text ON

Totally Integrated Automation Portal		
English (United States)	Category	Reference
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_2\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_2\Text OFF
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_3\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_3\Text OFF
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_4\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_4\Text OFF
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_5\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Button_5\Text OFF
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Robot_Diag\Button_1\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Robot_Diag\Button_2\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Robot_Diag\Button_3\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Robot_Diag\Button_4\Text ON
Text	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Run\ Button_4\Text ON
The 'Administrator' group is initially granted all rights.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Administrator group\Comment
The user 'Administrator' is assigned to the 'Administrator' group.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\admin\Comment
The 'Users' group is initially granted 'Operating' rights.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Users\Comment
Tread Dispenser	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Text field_4\Text
Turret Dispenser	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Text field_2\Text
Unacknowledged alarms	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screen management\Global screen\Alarm window_Unacknowledged\Label
Unit	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Gauge_1\Unit
User administration	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\User administration\ShortName
Users	HMI runtime	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Users\DisplayName
velocity	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\prVelocity
Warning!	HMI screen	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\Screens\ Pneumatic_Diag\Text field_6\Text
Web access - view only. Authorization for the use of Web Navigator and for client-server systems.	HMI comment	SeniorProject\PC-System_1 [SIMATIC PC station]\HMI_RT_1 [WinCC RT Advanced]\User administration\Web access - view only\Comment
Write consistent data of an IO (sub)module	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\ DPRD_DAT_SFC [SFC14]\Block title
Write data mode	Block comment	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\MbConfig [DB19]\MB_W_MODE
ZSW1sxZSW1 : STRUCT SpDev : BOOL:=False; // ZSW-Wort-1 = Schleppfehler im Toleranzbereich Pcd : BOOL:=False; // ZSW-Wort-1 = PZD-FÄhrung erreicht Comp : BOOL:=False; // ZSW-Wort-1 = Zielposition erreicht CurLim : BOOL:=False; // ZSW-Wort-1 = Referenzpunkt gesetzt Brake : BOOL:=False; // ZSW-Wort-1 = Haltebremse Äffnen Motover : BOOL:=False; // ZSW-Wort-1 = keine Warnung Äoertemperatur Motor Dir : BOOL:=False; // ZSW-Wort-1 = Direction Invover : BOOL:=False; // ZSW-Wort-1 = keine Warnung thermische Äoerlast Leistungsteil Rts : BOOL:=False; // ZSW-Wort-1 = Ready to power up / to start Rdy : BOOL:=False; // ZSW-Wort-1 = Ready to operate IOp : BOOL:=False; // ZSW-Wort-1 = In operation (operation enabled) Fault : BOOL:=False; // ZSW-Wort-1 = Fault present NoOff2 : BOOL:=False; // ZSW-Wort-1 = OFF2 inactive NoOff3 : BOOL:=False; // ZSW-Wort-1 = OFF3 inactive Inhibit : BOOL:=False; // ZSW-Wort-1 = Power ON inhibit active Alarm : BOOL:=False; // ZSW-Wort-1 = Alarm / Warning present END_STRUCT;	SeniorProject\PLC_1 [CPU 1511F-1 PN]\Program blocks\System blocks\Program resources\SI-NA_SPEED [FB285]\sxRecvBuf.ZSW1	

Totally Integrated Automation Portal		
<b>SeniorProject / Languages &amp; resources</b>		
<b>Project graphics</b>		
261-2615182_clip-art-robot-arm-icon-robot-arm-png		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	
AlarmDisplay_WinCC_RT_Advanced_TR		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	
Automation Direct		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	
base Fire		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	
build Fire		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	
Down_Arrow		
Standard graphic	English (United States)	
		
► Dithering mode		
Same color	Same color	
► Smoothing		
Disabled	Disabled	

Totally Integrated Automation Portal		
<b>ExitRuntime_WinCC_RT_Advanced_TR</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Graphic_1</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Graphic_2</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Graphic_3</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Home</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Left_Arrow</b>		
<b>Standard graphic</b>		English (United States)
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Login_WinCC_RT_Advanced_TR</b>		
<b>Standard graphic</b>		English (United States)
		

Totally Integrated Automation Portal		
<b>Standard graphic</b>	<b>English (United States)</b>	
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>Logo of PC-System_1</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
	 <b>SIEMENS</b> <b>SIMATIC HMI</b>	
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>Mid Fire</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
		
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>NavigateHome_WinCC_RT_Advanced_TR</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
		
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>Pistons</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
		
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>Pistons_1</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
		
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	
<b>PopUpBackground</b>		
<b>Standard graphic</b>	<b>English (United States)</b>	
		
► <i>Dithering mode</i>		
Same color	Same color	
► <i>Smoothing</i>		
Disabled	Disabled	

Totally Integrated Automation Portal		
<b>Right_Arrow</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled
<b>roboto</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled
<b>SafetyScreen</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled
<b>Siemens</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled
<b>system</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled
<b>systemcf</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <b>Dithering mode</b>		
Same color		Same color
▶ <b>Smoothing</b>		
Disabled		Disabled

Totally Integrated Automation Portal		
<b>systemcr</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>systemr</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>systemto</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>systemtt</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>systemtt_1</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>systemtrr</b>		
<b>Standard graphic</b>		<b>English (United States)</b>
		
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled

Totally Integrated Automation Portal		
<b>systemtr_1</b>		
<b>Standard graphic</b>		English (United States)
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>ToggleLanguage_WinCC_RT_Advanced_TR</b>		
<b>Standard graphic</b>		English (United States)
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>tread Fire</b>		
<b>Standard graphic</b>		English (United States)
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>turret Fire</b>		
<b>Standard graphic</b>		English (United States)
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled
<b>Up_Arrow</b>		
<b>Standard graphic</b>		English (United States)
► <b>Dithering mode</b>		
Same color		Same color
► <b>Smoothing</b>		
Disabled		Disabled