

## Encoder\_Via\_Profinet

### Project

<b>Name:</b>	Encoder_Via_Profinet	<b>Creation time:</b>	3/3/2018 8:46:52 AM	<b>Last change</b>	3/3/2018 3:28:40 PM	<b>Author:</b>	Thomas
<b>Last modified by:</b>	Thomas	<b>Version:</b>					
<b>Comment:</b>							

### Operating system

Name	Description
Operating system	Microsoft Windows 10 Pro
Version of the operating system	6.3.9600.0
Operating system service pack	
Version of the Internet Explorer	11.248.16299.0
Computer name	DESKTOP-425QHNO
User name	DESKTOP-425QHNO\Thomas
Installation path of the TIA Portal	C:\Program Files\Siemens\Automation\Portal V14

### Components

Name	Version	Release
TIA Portal Multiuser Server V14 - TIA Portal Multiuser Server Single SetupPackage V14.0 SP1 (MUSERVERV14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
SIMATIC S7-PLCSIM (S7_PLCSIM_V14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - SIMATIC S7-PLCSIM V14.0 + SP1 (S7_PLCSIM_V14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Totally Integrated Automation Portal V14 - TIA Portal Single SetupPackage V14.0 SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - HM All Editions Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - HM NoBasic Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 0 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Multiuser Client Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Startdrive V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_47.00.00.01
Siemens Totally Integrated Automation Portal V14 - Startdrive Hardware Support Base Package 1 V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_35.00.00.00
Siemens Totally Integrated Automation Portal V14 - STEP 7 Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 02 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 03 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 04 V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_04.01.00.03
Siemens Totally Integrated Automation Portal V14 - Support Base Package TO-01 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Support Base Package TO-02 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package WCF-01 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - TIACOMPCHCK Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Simatic Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Transfer Current All Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Transfer Legacy All Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Simatic Single SetupPackage 32 Bit V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Single SetupPackage 32 Bit V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
SIMATIC HMI License Manager Panel Plugin (x64)	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC NCM FWL 64	5.6.0.0	V5.6.0.0_3.1.0.2
NCM GPRS 64	01.02.00.00	V1.2.0.0_2.1.0.1
SIMATIC PLCSIM 64	14.01	14.00.01.00_01.01.01.01
SIMATIC Device Drivers	9.1	09.01.02.00_01.01.00.02
Automation Software Updater	02.02.0000	V02.02.00.00_06.01.00.04
SIMATIC HMI ProSave	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC HMI Symbol Library	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC Device Drivers WoW	29.1	29.01.02.00_01.01.00.02
SIMATIC Event Database	5.5	05.05.05.02_02.01.00.01
SeCon	2.4	V02.04.00.02_01.01.00.01
WinCC Runtime Advanced Simulator	14.0.1.0	V14.00.01.00_12.01.00.01

### Products

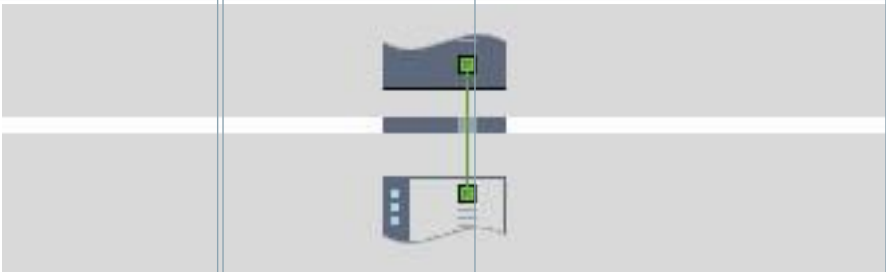
Name	Version	Release
TIA Portal Multiuser Server	V14.0 SP1	V14.00.01.00_12.01.00.01
SIMATIC S7-PLCSIM	V14.0 SP1	V14.00.01.00_12.01.00.01
SINAMICS Startdrive	V14.0 SP1	V14.00.01.00_47.00.00.01
SIMATIC STEP 7 Professional	V14.0 SP1	V14.00.01.00_12.01.00.01
SIMATIC WinCC Basic	V14.0 SP1	V14.00.01.00_12.01.00.01
Automation License Manager	V5.3 + SP3 + Upd3	05.03.03.03_01.01.00.01

Name	Version	Release
S7-PLCSIM	V5.4 + SP8	V05.04.08.00_08.03.00.01
SIMATIC ProSave	V14.0 SP1	V14.00.01.00_12.01.00.01

## Encoder\_Via\_Profinet

### Encoder [CPU 1212C AC/DC/Rly]

Encoder					
General\Project information					
Name	Encoder	Author	Thomas	Comment	
Slot	1	Rack	0		
General\Catalog information					
Short designation	CPU 1212C AC/DC/Rly	Description	Work memory 50 KB; 120/240VAC power supply with DI8 x 24VDC SINK/SOURCE, DQ6 x relay and AI2 on board; 4 high-speed counters (expandable with digital signal board) and 4 pulse outputs on board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 2 signal modules for I/O expansion; 0.04 ms/1000 instructions; PROFINET interface for programming, HMI and PLC-to-PLC communication	Article number	6ES7 212-1BE31-0XBO
Firmware version	V3.0				
PROFINET interface\General\Project information					
Name	PROFINET interface_1	Comment		Name	DI 8/DQ 6_1
Comment		Name	AI 2_1	Comment	
PROFINET interface\Ethernet addresses\Interface networked with					
Subnet:	PN/IE_1				
PROFINET interface\Ethernet addresses\IP protocol					
IP configuration	Set IP address in the project	IP address:	192.168.0.1	Subnet mask:	255.255.255.0
Use router	False				
PROFINET interface\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	Generate PROFINET device name automatically	True	PROFINET device name:	encoder
Converted name:	encoder	Device number:	0		
PROFINET interface\Digital inputs\Input filters					
I0.0 - I0.3	0.20ms	I0.4 - I0.7	0.20ms		
PROFINET interface\Digital inputs\Channel0					
Channel address	I0.0	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel1					
Channel address	I0.1	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel2					
Channel address	I0.2	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel3					
Channel address	I0.3	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel4					
Channel address	I0.4	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel5					
Channel address	I0.5	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel6					
Channel address	I0.6	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel7					
Channel address	I0.7	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	Limit data infeed into the network	True	Use IEC V2.2 LLDP mode	True
PROFINET interface\Advanced options\Anchor (ParameterRealtimeSettingsMenu)					
The TreeNode ParameterRealtimeSettingsMenu was not filled by some ACF					
PROFINET interface\Advanced options\Port [X1 P1]\General\Project information					
Name	Port_1	Comment			
PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	Encoder\PROFINET interface_1 [X1]\Port_1 [X1 P1]	Medium:	Copper	Cable name:	---

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<b>PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Partner port:</b>					
	Monitoring of partner port is not possible	<b>Partner port:</b>	Any partner		
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Activate</b>					
<b>Activate this port for use</b>	True				
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Connection</b>					
<b>Transmission rate / duplex:</b>	Automatic	<b>Monitor</b>	False	<b>Enable autonegotiation</b>	True
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Boundaries</b>					
<b>End of detection of accessible devices</b>	False	<b>End of topology discovery</b>	False	<b>End of the sync domain</b>	False
<b>PROFINET interface\Advanced options\Port [X1 P1]\Hardware identifier\Hardware identifier</b>					
<b>Hardware identifier</b>	65				
<b>PROFINET interface\Analog inputs\Noise reduction</b>					
<b>Integration time</b>	50 Hz (20 ms)				
<b>PROFINET interface\Analog inputs\Channel0</b>					
<b>Channel address</b>	IW64	<b>Measurement type</b>	Voltage	<b>Voltage range</b>	0..10 V
<b>Smoothing</b>	Weak (4 cycles)			<b>Enable overflow diagnostics</b>	1
<b>PROFINET interface\Analog inputs\Channel1</b>					
<b>Channel address</b>	IW66	<b>Measurement type</b>	Voltage	<b>Voltage range</b>	0..10 V
<b>Smoothing</b>	Weak (4 cycles)			<b>Enable overflow diagnostics</b>	1
<b>PROFINET interface\Digital outputs</b>					
<b>Reaction to CPU STOP</b>	Use substitute value				
<b>PROFINET interface\Digital outputs\Channel0</b>					
<b>Channel address</b>	Q0.0	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel1</b>					
<b>Channel address</b>	Q0.1	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel2</b>					
<b>Channel address</b>	Q0.2	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel3</b>					
<b>Channel address</b>	Q0.3	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel4</b>					
<b>Channel address</b>	Q0.4	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel5</b>					
<b>Channel address</b>	Q0.5	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Time synchronization</b>					
<b>Enable time synchronization via NTP server</b>	Enable time synchronization via NTP server		IP addresses	<b>Server 1</b>	0.0.0.0
<b>Server 2</b>	0.0.0.0	<b>Server 3</b>	0.0.0.0	<b>Server 4</b>	0.0.0.0
<b>Update interval</b>	10sec				
<b>PROFINET interface\Hardware identifier\Hardware identifier</b>					
<b>Hardware identifier</b>	64	<b>Hardware identifier</b>	264		
<b>PROFINET interface\I/O addresses\Input addresses</b>					
<b>Start address</b>	0.0	<b>End address</b>	0.7	<b>Process image</b>	Cyclic PI
<b>PROFINET interface\I/O addresses\Input addresses</b>					
<b>Start address</b>	64	<b>End address</b>	67	<b>Process image</b>	Cyclic PI
<b>PROFINET interface\I/O addresses\Output addresses</b>					
<b>Start address</b>	0.0	<b>End address</b>	0.7	<b>Process image</b>	Cyclic PI
<b>High speed counters (HSC)\HSC1\General\Enable</b>					
<b>Enable this high speed counter</b>	1	<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0
<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0
<b>High speed counters (HSC)\HSC1\General\Project information</b>					
<b>Name</b>	Encoder	<b>Comment</b>		<b>Name</b>	HSC_2
<b>Comment</b>		<b>Name</b>	HSC_3	<b>Comment</b>	
<b>Name</b>	HSC_4	<b>Comment</b>		<b>Name</b>	HSC_5
<b>Comment</b>		<b>Name</b>	HSC_6	<b>Comment</b>	
<b>High speed counters (HSC)\HSC1\Function</b>					
<b>Type of counting</b>	Count	<b>Operating phase</b>	A/B counter	<b>Input source</b>	Integrated CPU input
		<b>Counting direction is specified by</b>	Input (external direction control)	<b>Initial counting direction</b>	Count up
		<b>Frequency measuring period</b>	-/-sec		

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<b>High speed counters (HSC)\HSC1\Reset to initial values\Initial values</b>					
Initial counter value	0	Initial reference value	2000		
<b>High speed counters (HSC)\HSC1\Reset to initial values\Sync options</b>					
Use external sync input	0	Signal level of the sync input	-/-		
<b>High speed counters (HSC)\HSC1\Event configuration\</b>					
Generate interrupt for counter value equals reference value event.	1				
<b>High speed counters (HSC)\HSC1\Event configuration\</b>					
Generate interrupt for sync event.	0				
<b>High speed counters (HSC)\HSC1\Event configuration\</b>					
Generate interrupt for change of direction event.	0				
<b>High speed counters (HSC)\HSC1\Hardware inputs</b>					
Clock generator A input	10.0	Clock generator B input	10.1	Sync input	---
Speed	100.00000kHz				
<b>High speed counters (HSC)\HSC1\I/O addresses\Input addresses</b>					
Start address	1004.0	End address	1007.7	Start address	1008.0
End address	1011.7	Process image	Cyclic PI	Start address	1012.0
End address	1015.7	Process image	Cyclic PI	Start address	1000.0
End address	1003.7	Process image	Cyclic PI	Start address	1020.0
End address	1023.7	Process image	Cyclic PI	Process image	Cyclic PI
<b>High speed counters (HSC)\HSC1\Hardware identifier\Hardware identifier</b>					
Hardware identifier	258	Hardware identifier	259	Hardware identifier	260
Hardware identifier	257	Hardware identifier	262		
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable</b>					
Enable this pulse generator	0	Enable this pulse generator	0		
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information</b>					
Name	Pulse_1	Comment		Name	Pulse_2
Comment					
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses</b>					
Start address	1000.0	End address	1001.7	Start address	1002.0
End address	1003.7	Process image	Cyclic PI	Process image	Cyclic PI
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware identifier\Hardware identifier</b>					
Hardware identifier	265	Hardware identifier	266		
<b>Startup</b>					
Startup after POWER ON	Warm restart - mode before POWER OFF	Comparison preset to actual configuration	Startup CPU even if mismatch	Configuration time	60000ms
<b>Cycle</b>					
Cycle monitoring time	150ms			Enable minimum cycle time for cyclic OBs	0
Minimum cycle time	1ms				
<b>Communication load</b>					
Cycle load due to communication	20%				
<b>System and clock memory\System memory bits</b>					
Enable the use of system memory byte	0	Address of system memory byte (MBx)	1	First cycle	
Diagnostic status changed		Always 1 (high)		Always 0 (low)	
<b>System and clock memory\Clock memory bits</b>					
Enable the use of clock memory byte	0	Address of clock memory byte (MBx)	0	10 Hz clock	
5 Hz clock		2.5 Hz clock		2 Hz clock	
1.25 Hz clock		1 Hz clock		0.625 Hz clock	
0.5 Hz clock					
<b>Web server\General</b>					
Activate web server on this module	False	Permit access only with HTTPS	False		
<b>Web server\Automatic update</b>					
Enable automatic update	True	Update interval	0s		
<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>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	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	0	DI 8/DQ 6_1	-	Encoder [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
O	0	0	DI 8/DQ 6_1	-	Encoder [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
I	64	67	AI 2_1	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 2
I	1000	1003	Encoder	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	-	Encoder [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 21
O	1000	1001	Pulse_1	-	Encoder [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 32
O	1002	1003	Pulse_2	-	Encoder [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 33
O	1004	1005	Pulse_3	-	Encoder [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 34
O	1006	1007	Pulse_4	-	Encoder [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 35

**Time of day\Local time**

**Time zone** (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna

**Time of day\Daylight saving time**

**Activate daylight saving time** 0 **Difference between standard and daylight saving time** 60mins

**Time of day\Daylight saving time\Start of daylight saving time**

**Starting week of the month:** Last **of** Sunday **March**  
**at** 01:00 a.m.

**Time of day\Daylight saving time\Start of standard time**

**at** Last **of** Sunday **October**  
02:00 a.m.

**Protection\**

**Level of protection** No protection

**Protection\Password for read/write access**

**Password** **Confirm password**

**Connection resources**

**PG communication:** 1 **OP communication:** 1 **S7 basic communication:** 0  
**S7 communication:** 1 **Maximum number of S7 connection resources:** 32

**Anchor (AddressesOverviewMenu)**

The AddressesOverviewMenu was not filled by some ACF

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / Program blocks

### Main [OB1]

#### Main Properties

##### General

<b>Name</b>	Main	<b>Number</b>	1	<b>Type</b>	OB	<b>Language</b>	LAD
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<b>Numbering</b>	Automatic
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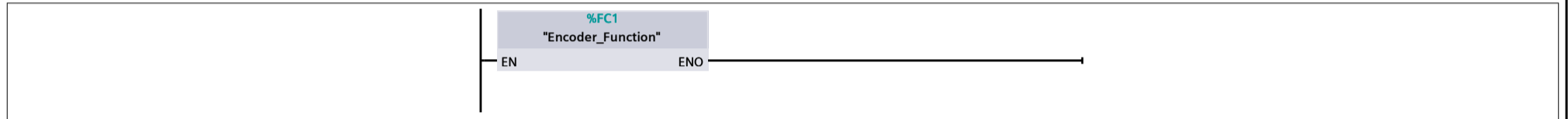
##### Information

<b>Title</b>	"Main Program Sweep (Cycle)"	<b>Author</b>		<b>Comment</b>		<b>Family</b>	
--------------	------------------------------	---------------	--	----------------	--	---------------	--

<b>Version</b>	0.1	<b>User-defined ID</b>	
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Name	Data type	Default value	Supervision	Comment
Temp				
Constant				

#### Network 1:



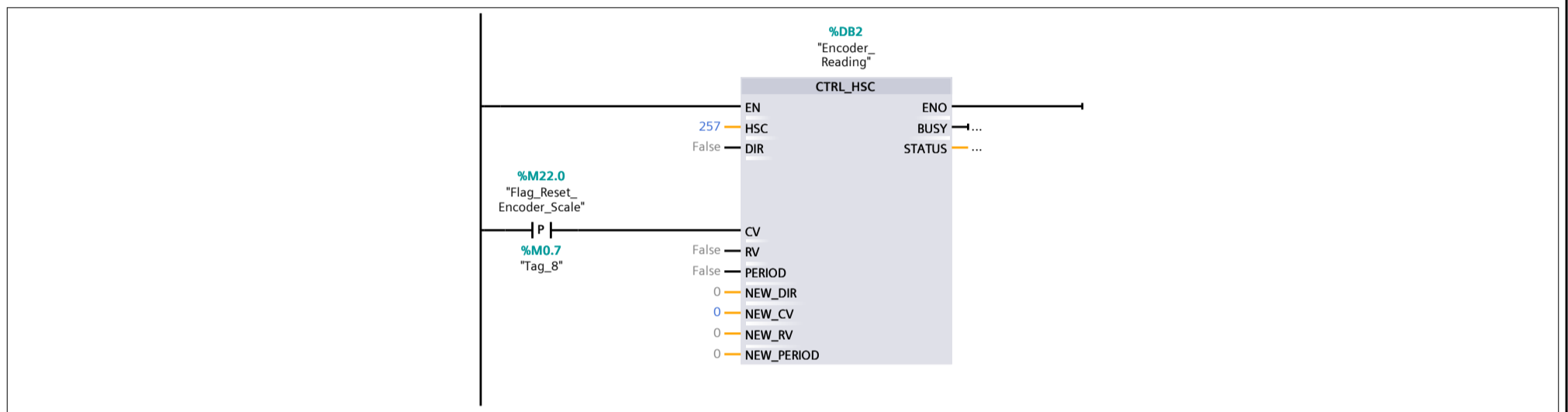
## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / Program blocks

### Encoder\_Function [FC1]

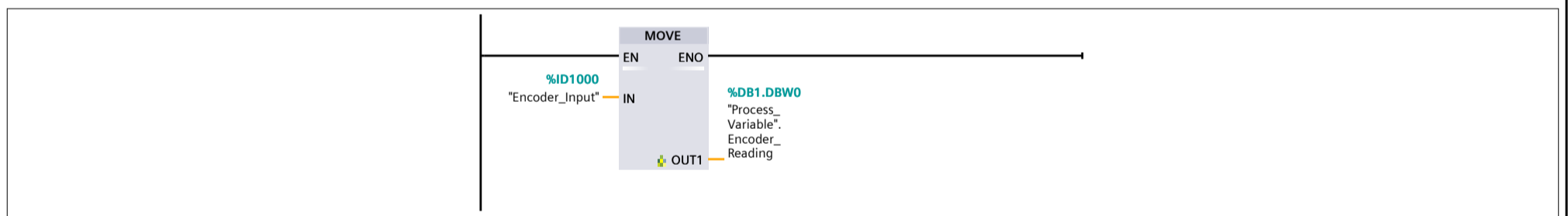
#### Encoder\_Function Properties

General							
Name	Encoder_Function	Number	1	Type	FC	Language	LAD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					
Name	Data type	Default value	Supervision	Comment			
Input							
Output							
InOut							
Temp							
Constant							
Return							
Encoder_Function	Void						

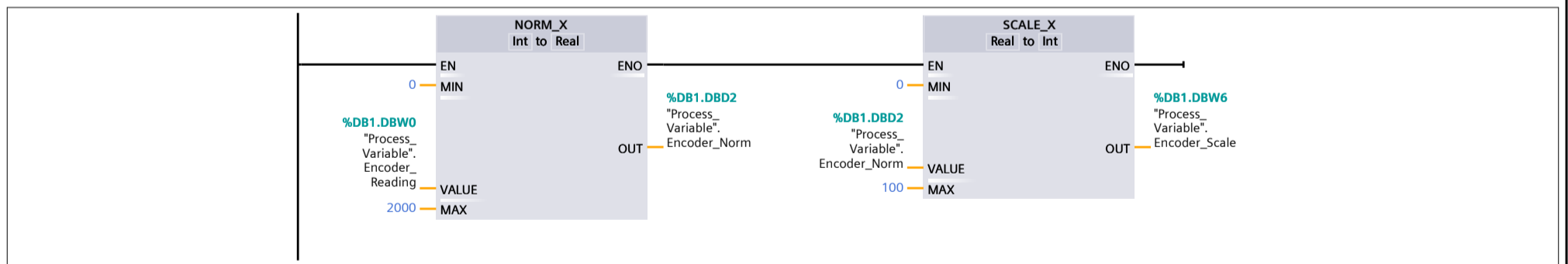
#### Network 1: Lettura HSC



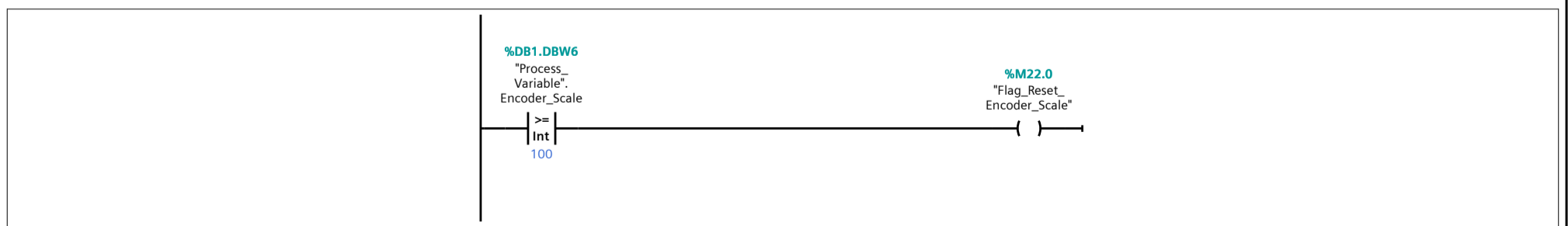
#### Network 2:



#### Network 3:



#### Network 4:





## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / Program blocks

### Process\_Variable [DB1]

#### Process\_Variable Properties

##### General

<b>Name</b>	Process_Variable	<b>Number</b>	1	<b>Type</b>	DB	<b>Language</b>	DB
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<b>Numbering</b>	Automatic
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##### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>		<b>Family</b>	
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<b>Version</b>	0.1	<b>User-defined ID</b>	
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Name	Data type	Offset	Start value	Retain	Accessi-ble from HMI/OPC UA	Writ-able from HMI/OPC UA	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
▼ Static										
Encoder_Reading	Int	0.0	0	False	True	True	True	False		
Encoder_Norm	Real	2.0	0.0	False	True	True	True	False		
Encoder_Scale	Int	6.0	0	False	True	True	True	False		

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / Program blocks

### Reset\_Counter [OB40]

#### Reset\_Counter Properties

##### General

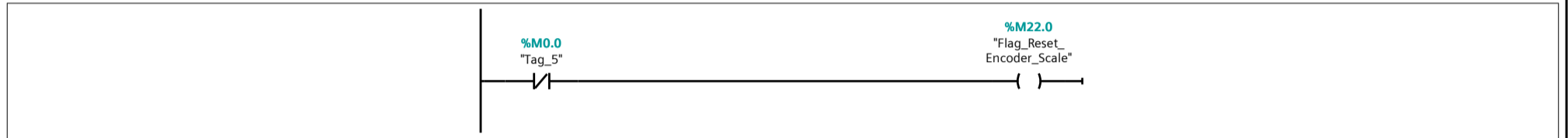
<b>Name</b>	Reset_Counter	<b>Number</b>	40	<b>Type</b>	OB	<b>Language</b>	LAD
<b>Numbering</b>	Automatic						

##### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>		<b>Family</b>	
<b>Version</b>	0.1	<b>User-defined ID</b>					

Name	Data type	Default value	Supervision	Comment
Temp				
Constant				

#### Network 1:





## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly]

### Technology objects

This folder is empty.

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [35]

### 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
	Encoder_Input	DWord	%ID1000	False	True	True	True		
	Word_Di_Appog-gio_Per_SUB_Di_Reset	Int	%MW20	False	True	True	True		
	Flag_Reset_Encoder_Scale	Bool	%M22.0	False	True	True	True		
	Tag_2	Bool	%M30.0	False	True	True	True		
	Hardware_Interrupt_Flag	Bool	%Q0.5	False	True	True	True		
	Software_Interrupt_Flag	Word	%MW22	False	True	True	True		
	Tag_1	Bool	%M22.1	False	True	True	True		
	Tag_3	Bool	%M22.2	False	True	True	True		
	Tag_4	Bool	%M22.3	False	True	True	True		
	Tag_5	Bool	%M0.0	False	True	True	True		
	Tag_6	Bool	%M0.1	False	True	True	True		
	Tag_7	Bool	%M0.2	False	True	True	True		
	Tag_8	Bool	%M0.7	False	True	True	True		
	Reset_Interrupt	Bool	%M50.0	False	True	True	True		
	Flag_Interrupt	Bool	%M60.0	False	True	True	True		
	Tag_9	Bool	%M60.1	False	True	True	True		
	Tag_10	Bool	%M70.0	False	True	True	True		

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [35]

### User constants

#### User constants

Name	Data type	Value	Comment
------	-----------	-------	---------

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly]

### PLC data types

This folder is empty.

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly] / Watch and force tables

### Force table

Name	Address	Display format	Force value	Comment
------	---------	----------------	-------------	---------



## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly]

### PLC alarm text lists

This folder is empty.

## Encoder\_Via\_Profinet / Encoder [CPU 1212C AC/DC/Rly]

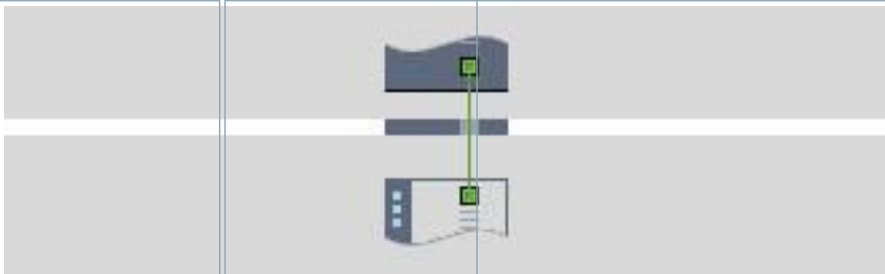
### Local modules

This folder is empty.

## Encoder\_Via\_Profinet

### Ricevente [CPU 1212C AC/DC/Rly]

Ricevente					
General\Project information					
Name	Ricevente	Author	Thomas	Comment	
Slot	1	Rack	0		
General\Catalog information					
Short designation	CPU 1212C AC/DC/Rly	Description	Work memory 50 KB; 120/240VAC power supply with DI8 x 24VDC SINK/SOURCE, DQ6 x relay and AI2 on board; 4 high-speed counters (expandable with digital signal board) and 4 pulse outputs on board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 2 signal modules for I/O expansion; 0.04 ms/1000 instructions; PROFINET interface for programming, HMI and PLC-to-PLC communication	Article number	6ES7 212-1BE31-0XBO
Firmware version	V3.0				
PROFINET interface\General\Project information					
Name	PROFINET interface_1	Comment		Name	DI 8/DQ 6_1
Comment		Name	AI 2_1	Comment	
PROFINET interface\Ethernet addresses\Interface networked with					
Subnet:	PN/IE_1				
PROFINET interface\Ethernet addresses\IP protocol					
IP configuration	Set IP address in the project	IP address:	192.168.0.2	Subnet mask:	255.255.255.0
Use router	False				
PROFINET interface\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	Generate PROFINET device name automatically	True	PROFINET device name:	ricevente
Converted name:	ricevente	Device number:	0		
PROFINET interface\Digital inputs\Input filters					
I0.0 - I0.3	6.40ms	I0.4 - I0.7	6.40ms		
PROFINET interface\Digital inputs\Channel0					
Channel address	I0.0	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel1					
Channel address	I0.1	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel2					
Channel address	I0.2	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel3					
Channel address	I0.3	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel4					
Channel address	I0.4	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel5					
Channel address	I0.5	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel6					
Channel address	I0.6	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel7					
Channel address	I0.7	Enable rising edge detection	0	Enable falling edge detection	0
Enable pulse catch	0				
PROFINET interface\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	Limit data infeed into the network	True	Use IEC V2.2 LLDP mode	True
PROFINET interface\Advanced options\Anchor (ParameterRealtimeSettingsMenu)					
The TreeNode ParameterRealtimeSettingsMenu was not filled by some ACF					
PROFINET interface\Advanced options\Port [X1 P1]\General\Project information					
Name	Port_1	Comment			
PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	Ricevente\PROFINET interface_1 [X1]\Port_1 [X1 P1]	Medium:	Copper	Cable name:	---

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<b>PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Partner port:</b>					
	Monitoring of partner port is not possible	<b>Partner port:</b>	Any partner		
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Activate</b>					
<b>Activate this port for use</b>	True				
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Connection</b>					
<b>Transmission rate / duplex:</b>	Automatic	<b>Monitor</b>	False	<b>Enable autonegotiation</b>	True
<b>PROFINET interface\Advanced options\Port [X1 P1]\Port options\Boundaries</b>					
<b>End of detection of accessible devices</b>	False	<b>End of topology discovery</b>	False	<b>End of the sync domain</b>	False
<b>PROFINET interface\Advanced options\Port [X1 P1]\Hardware identifier\Hardware identifier</b>					
<b>Hardware identifier</b>	65				
<b>PROFINET interface\Analog inputs\Noise reduction</b>					
<b>Integration time</b>	50 Hz (20 ms)				
<b>PROFINET interface\Analog inputs\Channel0</b>					
<b>Channel address</b>	IW64	<b>Measurement type</b>	Voltage	<b>Voltage range</b>	0..10 V
<b>Smoothing</b>	Weak (4 cycles)			<b>Enable overflow diagnostics</b>	1
<b>PROFINET interface\Analog inputs\Channel1</b>					
<b>Channel address</b>	IW66	<b>Measurement type</b>	Voltage	<b>Voltage range</b>	0..10 V
<b>Smoothing</b>	Weak (4 cycles)			<b>Enable overflow diagnostics</b>	1
<b>PROFINET interface\Digital outputs</b>					
<b>Reaction to CPU STOP</b>	Use substitute value				
<b>PROFINET interface\Digital outputs\Channel0</b>					
<b>Channel address</b>	Q0.0	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel1</b>					
<b>Channel address</b>	Q0.1	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel2</b>					
<b>Channel address</b>	Q0.2	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel3</b>					
<b>Channel address</b>	Q0.3	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel4</b>					
<b>Channel address</b>	Q0.4	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Digital outputs\Channel5</b>					
<b>Channel address</b>	Q0.5	<b>Substitute a value of 1 on a change from RUN to STOP.</b>	0		
<b>PROFINET interface\Time synchronization</b>					
<b>Enable time synchronization via NTP server</b>	Enable time synchronization via NTP server		IP addresses	<b>Server 1</b>	0.0.0.0
<b>Server 2</b>	0.0.0.0	<b>Server 3</b>	0.0.0.0	<b>Server 4</b>	0.0.0.0
<b>Update interval</b>	10sec				
<b>PROFINET interface\Hardware identifier\Hardware identifier</b>					
<b>Hardware identifier</b>	64	<b>Hardware identifier</b>	264		
<b>PROFINET interface\I/O addresses\Input addresses</b>					
<b>Start address</b>	0.0	<b>End address</b>	0.7	<b>Process image</b>	Cyclic PI
<b>PROFINET interface\I/O addresses\Input addresses</b>					
<b>Start address</b>	64	<b>End address</b>	67	<b>Process image</b>	Cyclic PI
<b>PROFINET interface\I/O addresses\Output addresses</b>					
<b>Start address</b>	0.0	<b>End address</b>	0.7	<b>Process image</b>	Cyclic PI
<b>High speed counters (HSC)\HSC1\General\Enable</b>					
<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0
<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0	<b>Enable this high speed counter</b>	0
<b>High speed counters (HSC)\HSC1\General\Project information</b>					
<b>Name</b>	HSC_1	<b>Comment</b>		<b>Name</b>	HSC_2
<b>Comment</b>		<b>Name</b>	HSC_3	<b>Comment</b>	
<b>Name</b>	HSC_4	<b>Comment</b>		<b>Name</b>	HSC_5
<b>Comment</b>		<b>Name</b>	HSC_6	<b>Comment</b>	
<b>High speed counters (HSC)\HSC1\I/O addresses\Input addresses</b>					
<b>Start address</b>	1000.0	<b>End address</b>	1003.7	<b>Start address</b>	1004.0
<b>End address</b>	1007.7	<b>Process image</b>	Cyclic PI	<b>Start address</b>	1008.0
<b>End address</b>	1011.7	<b>Process image</b>	Cyclic PI	<b>Start address</b>	1012.0
<b>End address</b>	1015.7	<b>Process image</b>	Cyclic PI	<b>Start address</b>	1016.0
<b>End address</b>	1019.7	<b>Process image</b>	Cyclic PI	<b>Start address</b>	1020.0

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End address	1023.7	Process image	Cyclic PI	Process image	Cyclic PI					
<b>High speed counters (HSC)\HSC1\Hardware identifier\Hardware identifier</b>										
Hardware identifier	257	Hardware identifier	258	Hardware identifier	259					
Hardware identifier	260	Hardware identifier	261	Hardware identifier	262					
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable</b>										
Enable this pulse generator	0	Enable this pulse generator	0							
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information</b>										
Name	Pulse_1	Comment		Name	Pulse_2					
Comment										
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses</b>										
Start address	1000.0	End address	1001.7	Start address	1002.0					
End address	1003.7	Process image	Cyclic PI	Process image	Cyclic PI					
<b>Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware identifier\Hardware identifier</b>										
Hardware identifier	265	Hardware identifier	266							
<b>Startup</b>										
Startup after POWER ON	Warm restart - mode before POWER OFF	Comparison preset to actual configuration	Startup CPU even if mismatch	Configuration time	60000ms					
<b>Cycle</b>										
Cycle monitoring time	150ms			Enable minimum cycle time for cyclic OBs	0					
Minimum cycle time	1ms									
<b>Communication load</b>										
Cycle load due to communication	20%									
<b>System and clock memory\System memory bits</b>										
Enable the use of system memory byte	0	Address of system memory byte (MBx)	1	First cycle						
Diagnostic status changed		Always 1 (high)		Always 0 (low)						
<b>System and clock memory\Clock memory bits</b>										
Enable the use of clock memory byte	0	Address of clock memory byte (MBx)	0	10 Hz clock						
5 Hz clock		2.5 Hz clock		2 Hz clock						
1.25 Hz clock		1 Hz clock		0.625 Hz clock						
0.5 Hz clock										
<b>Web server\General</b>										
Activate web server on this module	False	Permit access only with HTTPS	False							
<b>Web server\Automatic update</b>										
Enable automatic update	True	Update interval	0s							
<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>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	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	0	DI 8/DQ 6_1	-	Ricevente [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
O	0	0	DI 8/DQ 6_1	-	Ricevente [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
I	64	67	AI 2_1	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 2
I	1000	1003	HSC_1	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	-	Ricevente [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 21
O	1000	1001	Pulse_1	-	Ricevente [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 32
O	1002	1003	Pulse_2	-	Ricevente [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 33
O	1004	1005	Pulse_3	-	Ricevente [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 34
O	1006	1007	Pulse_4	-	Ricevente [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 35

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<b>Time of day\Local time</b>					
Time zone	(UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna				
<b>Time of day\Daylight saving time</b>					
Activate daylight saving time	0	Difference between standard and daylight saving time	60mins		
<b>Time of day\Daylight saving time\Start of daylight saving time</b>					
Starting week of the month:	Last		Sunday	of	March
at	01:00 a.m.				
<b>Time of day\Daylight saving time\Start of standard time</b>					
	Last		Sunday	of	October
at	02:00 a.m.				
<b>Protection\</b>					
Level of protection	No protection				
<b>Protection\Password for read/write access</b>					
Password		Confirm password			
<b>Connection resources</b>					
PG communication:	1	OP communication:	1	S7 basic communication:	0
S7 communication:	1	Maximum number of S7 connection resources:	32		
<b>Anchor (AddressesOverviewMenu)</b>					
The AddressesOverviewMenu was not filled by some ACF					

## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Program blocks

### Main [OB1]

#### Main Properties

##### General

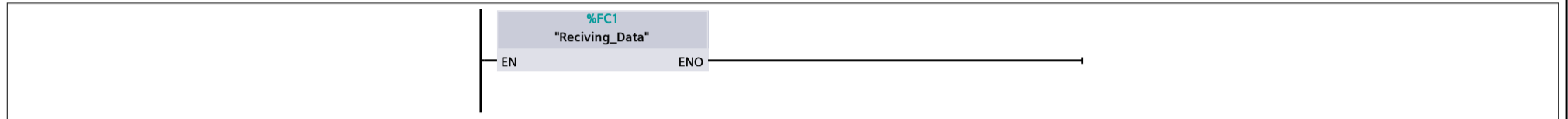
<b>Name</b>	Main	<b>Number</b>	1	<b>Type</b>	OB	<b>Language</b>	LAD
<b>Numbering</b>	Automatic						

##### Information

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

Name	Data type	Default value	Supervision	Comment
Temp				
Constant				

### Network 1:



## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Program blocks

### Process\_Variable [DB1]

#### Process\_Variable Properties

##### General

<b>Name</b>	Process_Variable	<b>Number</b>	1	<b>Type</b>	DB	<b>Language</b>	DB
<b>Numbering</b>	Automatic						

##### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>		<b>Family</b>	
<b>Version</b>	0.1	<b>User-defined ID</b>					

Name	Data type	Offset	Start value	Retain	Accessi-ble from HMI/OPC UA	Writ-able from HMI/OPC UA	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
▼ Static										
Encoder_Reading	Int	0.0	0	False	True	True	True	False		
Encoder_Norm	Real	2.0	0.0	False	True	True	True	False		
Encoder_Scale	Int	6.0	0	False	True	True	True	False		
Step1	Bool	8.0	false	False	True	True	True	False		
Step2	Bool	8.1	false	False	True	True	True	False		
Step3	Bool	8.2	false	False	True	True	True	False		
Step4	Bool	8.3	false	False	True	True	True	False		
Step5	Bool	8.4	false	False	True	True	True	False		
Step6	Bool	8.5	false	False	True	True	True	False		
Appoggio_Somma	Int	10.0	0	False	True	True	True	False		
Somma	Int	12.0	0	False	True	True	True	False		
Clock_1_Hz	Bool	14.0	false	False	True	True	True	False		
Reset	Int	16.0	0	False	True	True	True	False		



## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Program blocks

### Reciving\_Data [FC1]

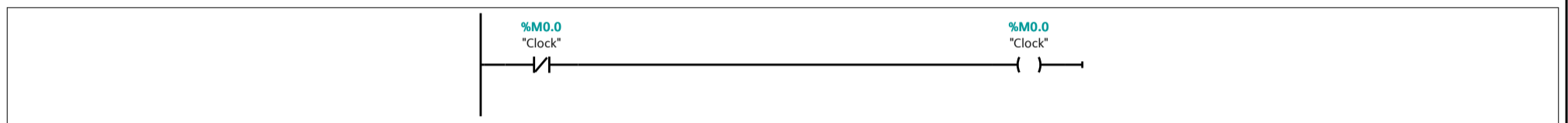
#### Reciving\_Data Properties

General							
Name	Reciving_Data	Number	1	Type	FC	Language	LAD
Numbering	Automatic						

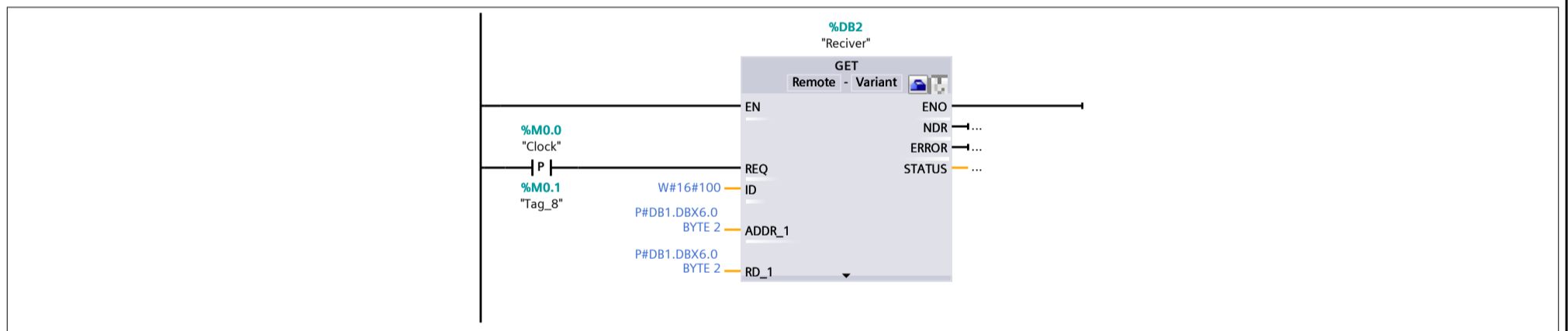
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

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

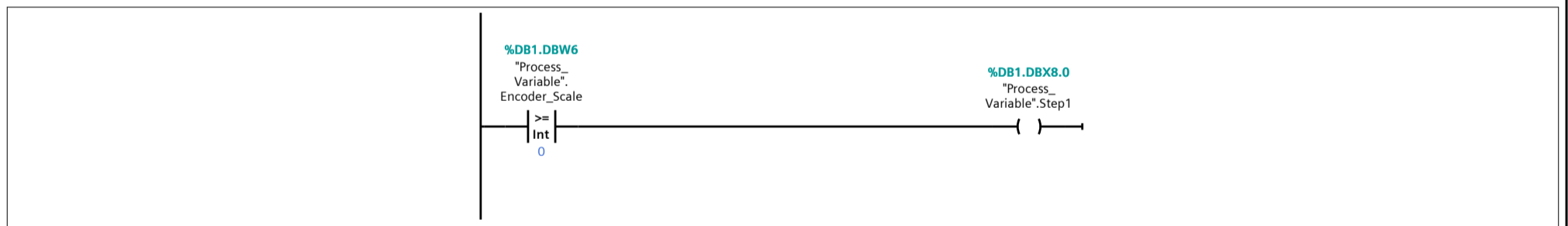
#### Network 1:



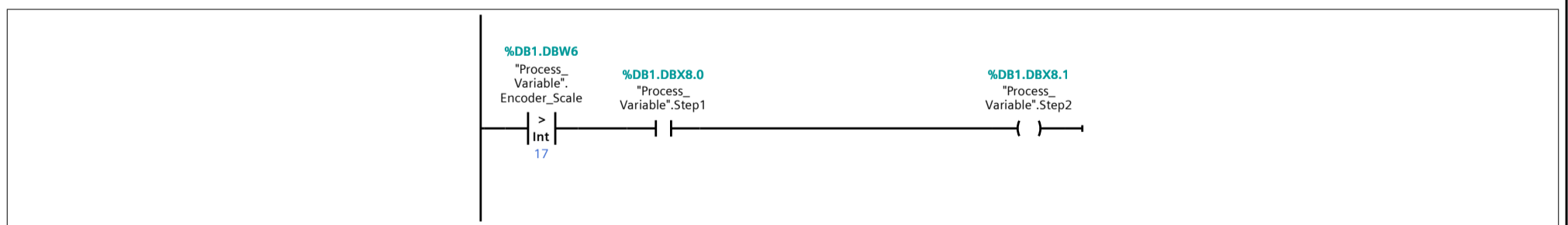
#### Network 2:



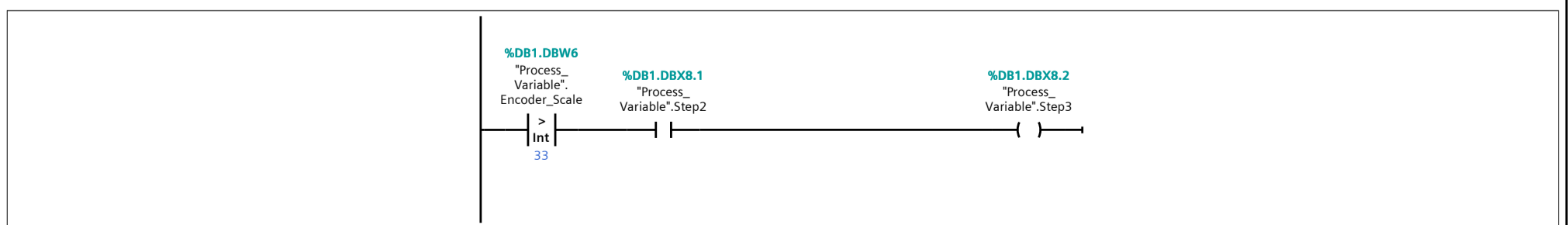
#### Network 3:



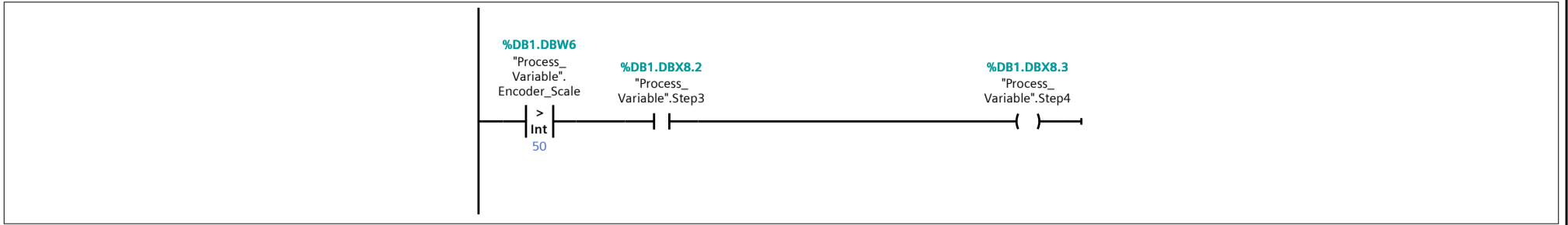
#### Network 4:



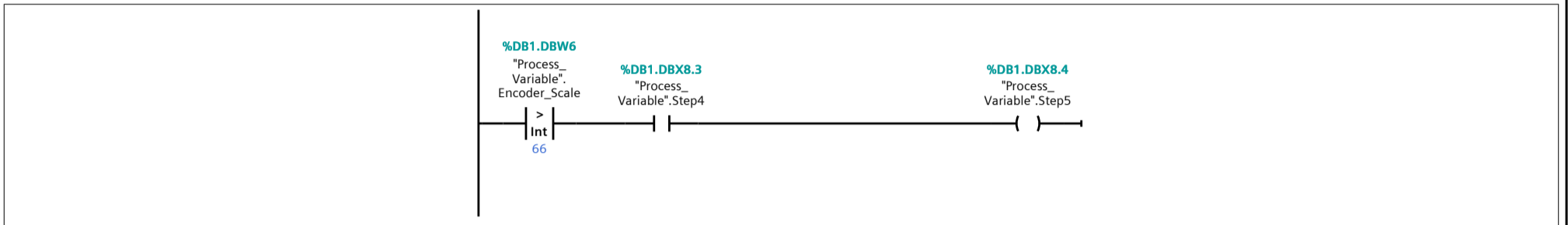
#### Network 5:



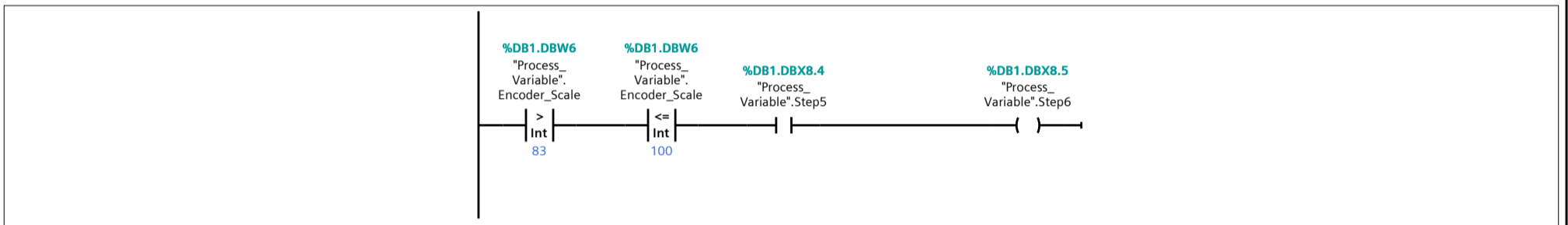
**Network 6:**



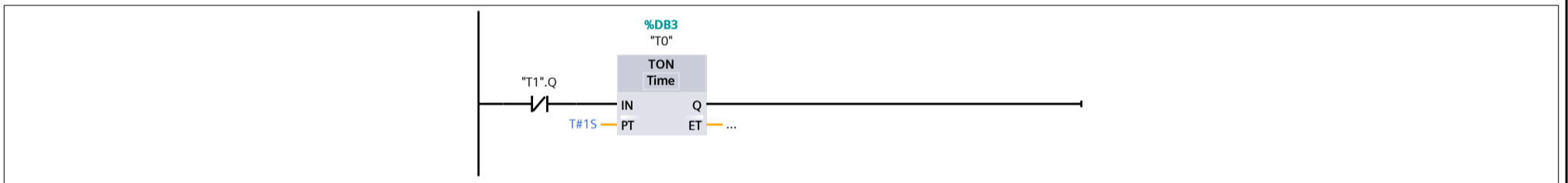
**Network 7:**



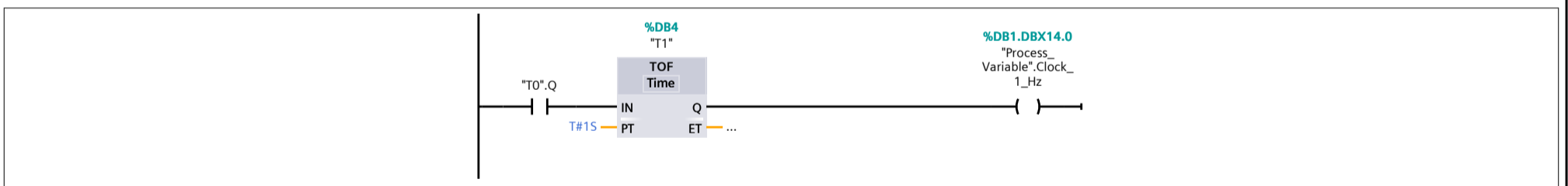
**Network 8:**



**Network 9:**



**Network 10:**





Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Program blocks / System blocks / Program resources

T0 [DB3]

T0 Properties

General

Name	T0	Number	3	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	Writ-able from HMI/OPC UA	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
▼ Static									
PT	Time	T#0ms	False	True	True	True	False		
ET	Time	T#0ms	False	True	False	True	False		
IN	Bool	false	False	True	True	True	False		
Q	Bool	false	False	True	False	True	False		

Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Program blocks / System blocks / Program resources

T1 [DB4]

T1 Properties

General

<b>Name</b>	T1	<b>Number</b>	4	<b>Type</b>	DB	<b>Language</b>	DB
<b>Numbering</b>	Automatic						

Information

<b>Title</b>		<b>Author</b>	Simatic	<b>Comment</b>		<b>Family</b>	IEC
<b>Version</b>	1.0	<b>User-defined ID</b>	IEC_TMR				

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									
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		












## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly]

### Technology objects

This folder is empty.

Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [27]

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
	Tag_1	Bool	%Q0.0	False	True	True	True		
	Tag_2	Bool	%Q0.1	False	True	True	True		
	Tag_3	Bool	%Q0.2	False	True	True	True		
	Tag_4	Bool	%Q0.3	False	True	True	True		
	Tag_5	Bool	%Q0.4	False	True	True	True		
	Tag_6	Bool	%Q0.5	False	True	True	True		
	Clock	Bool	%M0.0	False	True	True	True		
	Tag_8	Bool	%M0.1	False	True	True	True		
	Tag_7	Int	%MW50	False	True	True	True		
	Tag_9	Bool	%M100.0	False	True	True	True		
	Tag_10	Bool	%M200.0	False	True	True	True		

## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [27]

### User constants

User constants			
Name	Data type	Value	Comment



## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly]

### PLC data types

This folder is empty.

## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly] / Watch and force tables

### Force table

Name	Address	Display format	Force value	Comment
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## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly]

### PLC alarm text lists

This folder is empty.

## Encoder\_Via\_Profinet / Ricevente [CPU 1212C AC/DC/Rly]

### Local modules

This folder is empty.

## Encoder\_Via\_Profinet

### HMI\_1 [KTP400 Basic color PN]

HMI\_1

General

Name

HMI\_1

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN]

### Runtime settings

#### General

Start screen	Screen_1	Default template		Screen resolution	480, 272
Project ID	0				

#### Screens

Bit selection for text and graphic lists	Off	User-defined pictogram size	Unchecked	X,Y:	63, 45
--	-----	-----------------------------	-----------	------	--------

#### Keyboard

Use screen keyboard	Checked	Release button on exit	Unchecked	Disable dialog window function keys	Unchecked
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#### Alarms

##### Controller alarms

Buffer overflow	10 %	Acknowledgment group text	QGR	Use alarm class color	Unchecked
Use help texts for system diagnostics	Checked	System event duration	2 Seconds	Connection	HMI_Connection_1
Connection	HMI_Connection_2				

#### User administration

Enable limit for logon attempts	Checked	Invalid logon attempts	3	Logon with password	Unchecked
Group-specific rights	Unchecked	Password aging	Unchecked	Validity period	90
Warning period	7	Password generations	3	At least one special character	Unchecked
At least one number	Unchecked	Minimum password length	3		

#### Language & font

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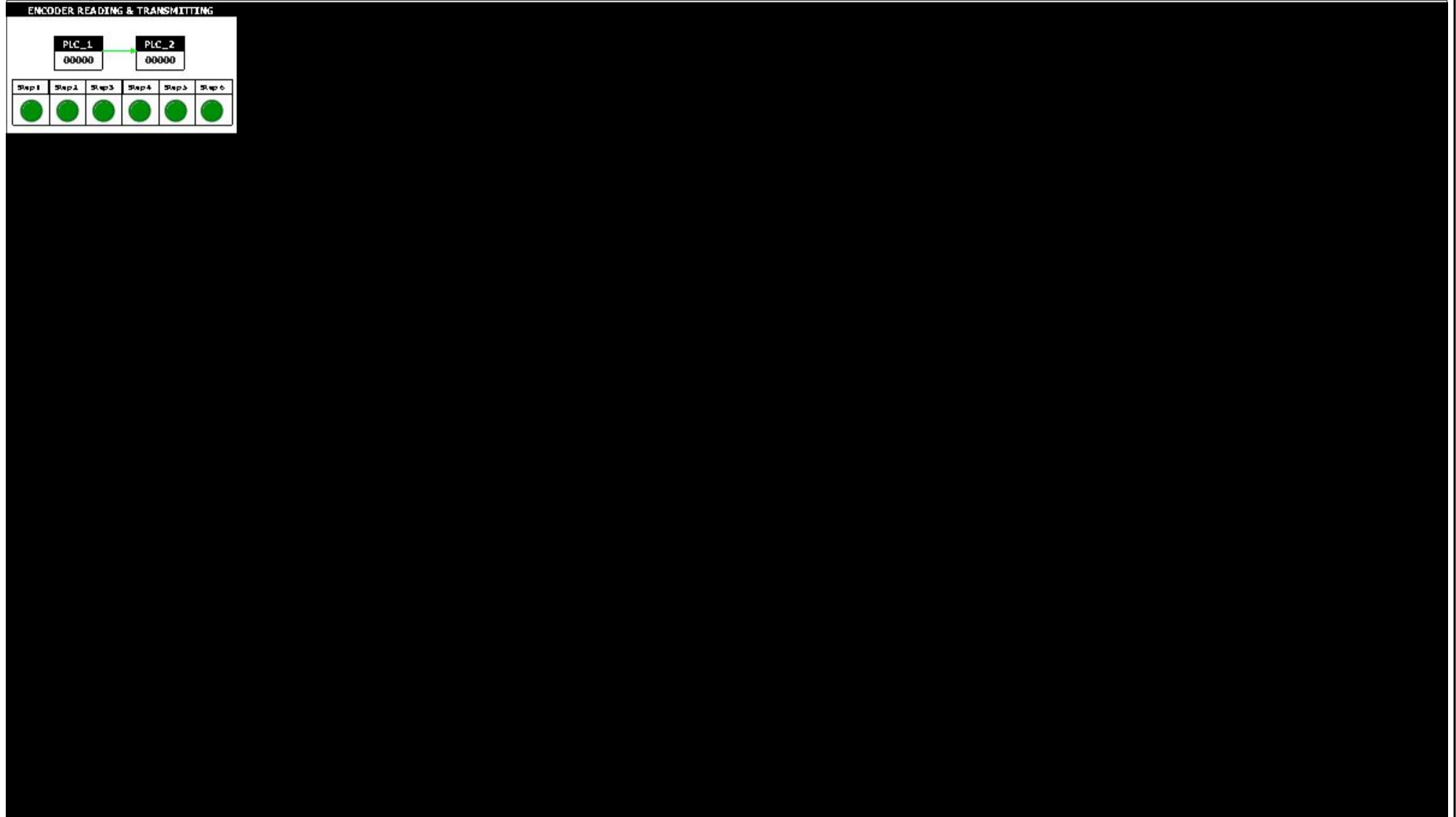
##### English (United States)

Runtime language	Checked	Fixed font 1	Tahoma	Default font	Tahoma, 11 Pixel
Configured font 1					

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / Screens

### Screen\_1

#### Hardcopy of Screen\_1



#### General

<b>Name</b>	Screen_1	<b>Background color</b>	255, 255, 255	<b>Grid color</b>	182, 255, 250
<b>Number</b>	1	<b>Template</b>		<b>Tooltip</b>	

#### Layers

<b>Active layer</b>	0
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Layer_0	Checked
Layer_1	Checked
Layer_2	Checked
Layer_3	Checked
Layer_4	Checked
Layer_5	Checked
Layer_6	Checked
Layer_7	Checked
Layer_8	Checked
Layer_9	Checked
Layer_10	Checked
Layer_11	Checked
Layer_12	Checked
Layer_13	Checked
Layer_14	Checked
Layer_15	Checked
Layer_16	Checked
Layer_17	Checked
Layer_18	Checked
Layer_19	Checked
Layer_20	Checked
Layer_21	Checked
Layer_22	Checked
Layer_23	Checked
Layer_24	Checked
Layer_25	Checked
Layer_26	Checked
Layer_27	Checked
Layer_28	Checked
Layer_29	Checked
Layer_30	Checked
Layer_31	Checked

#### Group

<b>Type</b>	Group
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#### Layout

<b>X position</b>	100	<b>Y position</b>	70	<b>Width</b>	100
<b>Height</b>	70				

Totally Integrated Automation Portal						
<b>Miscellaneous</b>						
Name	Group	Layer	0 - Layer_0			
<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	Unchecked	
Format pattern	99999					
<b>Appearance</b>						
Background color	255, 255, 255	Background fill pattern	Solid	Foreground color	36, 36, 36	
Unit		Border width	1	Line style	Solid	
Border color	0, 0, 0					
<b>Characteristics</b>						
Hidden input	Unchecked					
<b>Layout</b>						
X position	100	Y position	100	Width	100	
Height	40	Left margin	5	Top margin	2	
Right margin	2	Bottom margin	2	Fit object to contents	Unchecked	
<b>Text format</b>						
Font	Tahoma, 20px, style=Bold		Horizontal alignment	Centered	Vertical alignment	Middle
Line break	Unchecked					
<b>Limits</b>						
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44			
<b>Miscellaneous</b>						
Name	I/O field_1	Layer	0 - Layer_0	Tooltip		
<b>Security</b>						
Authorization		Allow operator control	Checked			
<b>Dynamizations\Tag connection</b>						
Property name	Process value	Tag	Encoder_Scale_PLC1			
<b>Text field_1</b>						
Type	Text field					
<b>General</b>						
Text	PLC_1					
<b>Appearance</b>						
Background color	0, 0, 0	Background fill pattern	Solid	Foreground color	255, 255, 255	
Border width	1	Line style	Solid	Border color	0, 0, 0	
<b>Layout</b>						
X position	100	Y position	70	Width	100	
Height	30	Left margin	0	Top margin	2	
Right margin	2	Bottom margin	0	Fit object to contents	Unchecked	
<b>Text format</b>						
Font	Tahoma, 20px, style=Bold		Horizontal alignment	Centered	Vertical alignment	Middle
Line break	Unchecked					
<b>Flashing</b>						
Flashing	Disabled					
<b>Miscellaneous</b>						
Name	Text field_1	Layer	0 - Layer_0			
<b>Group_1</b>						
Type	Group					
<b>Layout</b>						
X position	270	Y position	70	Width	100	
Height	70					
<b>Miscellaneous</b>						
Name	Group_1	Layer	0 - Layer_0			
<b>I/O field_2</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	Unchecked	
Format pattern	99999					
<b>Appearance</b>						
Background color	255, 255, 255	Background fill pattern	Solid	Foreground color	36, 36, 36	
Unit		Border width	1	Line style	Solid	
Border color	0, 0, 0					
<b>Characteristics</b>						
Hidden input	Unchecked					
<b>Layout</b>						
X position	270	Y position	100	Width	100	
Height	40	Left margin	5	Top margin	2	
Right margin	2	Bottom margin	2	Fit object to contents	Unchecked	
<b>Text format</b>						
Font	Tahoma, 20px, style=Bold		Horizontal alignment	Centered	Vertical alignment	Middle
Line break	Unchecked					
<b>Limits</b>						
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44			



Totally Integrated Automation Portal					
<b>Miscellaneous</b>					
Name	I/O field_2	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Encoder_Scale_PLC2		
<b>Text field_2</b>					
Type	Text field				
<b>General</b>					
Text	PLC_2				
<b>Appearance</b>					
Background color	0, 0, 0	Background fill pattern	Solid	Foreground color	255, 255, 255
Border width	1	Line style	Solid	Border color	0, 0, 0
<b>Layout</b>					
X position	270	Y position	70	Width	100
Height	30	Left margin	0	Top margin	2
Right margin	2	Bottom margin	0	Fit object to contents	Unchecked
<b>Text format</b>					
Font	Tahoma, 20px, style=Bold	Horizontal alignment	Centered	Vertical alignment	Middle
Line break	Unchecked				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Text field_2	Layer	0 - Layer_0		
<b>Text field_3</b>					
Type	Text field				
<b>General</b>					
Text	ENCODER READING & TRANSMITTING				
<b>Appearance</b>					
Background color	0, 0, 0	Background fill pattern	Solid	Foreground color	255, 255, 255
Border width	0	Line style	Solid	Border color	0, 0, 0
<b>Layout</b>					
X position	0	Y position	0	Width	480
Height	30	Left margin	0	Top margin	2
Right margin	2	Bottom margin	0	Fit object to contents	Unchecked
<b>Text format</b>					
Font	Tahoma, 20px, style=Bold	Horizontal alignment	Centered	Vertical alignment	Middle
Line break	Unchecked				
<b>Flashing</b>					
Flashing	Disabled				
<b>Miscellaneous</b>					
Name	Text field_3	Layer	0 - Layer_0		
<b>Line_1</b>					
Type	Line				
<b>Appearance</b>					
Line width	3	Line style	Solid	Color	0, 255, 31
Background color	255, 255, 255	Fill pattern	Transparent	Line-start style	Default
Line-end style	Arrow	Line-end shape	Flush		
<b>Layout</b>					
X position	200	Y position	100	Width	70
Height	0	Line start X position	200	Line start Y position	100
Line end X position	270	Line end Y position	100		
<b>Miscellaneous</b>					
Name	Line_1	Layer	0 - Layer_0		
<b>Dynamizations\Appearance</b>					
Tag - Cycle	Process_Variable_Clock_1_Hz -	Data type	Range	Range	0..0
Foreground color	0, 255, 31	Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	255, 0, 31	Background color	255, 255, 255
Flashing	No				
<b>Group_3</b>					
Type	Group				
<b>Layout</b>					
X position	12	Y position	160	Width	458
Height	30				
<b>Miscellaneous</b>					
Name	Group_3	Layer	0 - Layer_0		
<b>Text field_4</b>					
Type	Text field				
<b>General</b>					
Text	Step 1				
<b>Appearance</b>					
Background color	255, 255, 255	Background fill pattern	Solid	Foreground color	0, 0, 0
Border width	1	Line style	Solid	Border color	0, 0, 0
<b>Layout</b>					
X position	12	Y position	160	Width	77

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<b>Height</b>	30	<b>Left margin</b>	0	<b>Top margin</b>	2
<b>Right margin</b>	2	<b>Bottom margin</b>	0	<b>Fit object to contents</b>	Unchecked
<b>Text format</b>					
<b>Font</b>	Tahoma, 15px, style=Bold	<b>Horizontal alignment</b>	Centered	<b>Vertical alignment</b>	Middle
<b>Line break</b>	Unchecked				
<b>Flashing</b>					
<b>Flashing</b>	Disabled				
<b>Miscellaneous</b>					
<b>Name</b>	Text field_4	<b>Layer</b>	0 - Layer_0		
<b>Text field_5</b>					
<b>Type</b>	Text field				
<b>General</b>					
<b>Text</b>	Step 2				
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Background fill pattern</b>	Solid	<b>Foreground color</b>	0, 0, 0
<b>Border width</b>	1	<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0
<b>Layout</b>					
<b>X position</b>	89	<b>Y position</b>	160	<b>Width</b>	77
<b>Height</b>	30	<b>Left margin</b>	0	<b>Top margin</b>	2
<b>Right margin</b>	2	<b>Bottom margin</b>	0	<b>Fit object to contents</b>	Unchecked
<b>Text format</b>					
<b>Font</b>	Tahoma, 15px, style=Bold	<b>Horizontal alignment</b>	Centered	<b>Vertical alignment</b>	Middle
<b>Line break</b>	Unchecked				
<b>Flashing</b>					
<b>Flashing</b>	Disabled				
<b>Miscellaneous</b>					
<b>Name</b>	Text field_5	<b>Layer</b>	0 - Layer_0		
<b>Text field_6</b>					
<b>Type</b>	Text field				
<b>General</b>					
<b>Text</b>	Step 3				
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Background fill pattern</b>	Solid	<b>Foreground color</b>	0, 0, 0
<b>Border width</b>	1	<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0
<b>Layout</b>					
<b>X position</b>	165	<b>Y position</b>	160	<b>Width</b>	77
<b>Height</b>	30	<b>Left margin</b>	0	<b>Top margin</b>	2
<b>Right margin</b>	2	<b>Bottom margin</b>	0	<b>Fit object to contents</b>	Unchecked
<b>Text format</b>					
<b>Font</b>	Tahoma, 15px, style=Bold	<b>Horizontal alignment</b>	Centered	<b>Vertical alignment</b>	Middle
<b>Line break</b>	Unchecked				
<b>Flashing</b>					
<b>Flashing</b>	Disabled				
<b>Miscellaneous</b>					
<b>Name</b>	Text field_6	<b>Layer</b>	0 - Layer_0		
<b>Text field_7</b>					
<b>Type</b>	Text field				
<b>General</b>					
<b>Text</b>	Step 4				
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Background fill pattern</b>	Solid	<b>Foreground color</b>	0, 0, 0
<b>Border width</b>	1	<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0
<b>Layout</b>					
<b>X position</b>	242	<b>Y position</b>	160	<b>Width</b>	77
<b>Height</b>	30	<b>Left margin</b>	0	<b>Top margin</b>	2
<b>Right margin</b>	2	<b>Bottom margin</b>	0	<b>Fit object to contents</b>	Unchecked
<b>Text format</b>					
<b>Font</b>	Tahoma, 15px, style=Bold	<b>Horizontal alignment</b>	Centered	<b>Vertical alignment</b>	Middle
<b>Line break</b>	Unchecked				
<b>Flashing</b>					
<b>Flashing</b>	Disabled				
<b>Miscellaneous</b>					
<b>Name</b>	Text field_7	<b>Layer</b>	0 - Layer_0		
<b>Text field_8</b>					
<b>Type</b>	Text field				
<b>General</b>					
<b>Text</b>	Step 5				
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Background fill pattern</b>	Solid	<b>Foreground color</b>	0, 0, 0
<b>Border width</b>	1	<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0
<b>Layout</b>					
<b>X position</b>	317	<b>Y position</b>	160	<b>Width</b>	77
<b>Height</b>	30	<b>Left margin</b>	0	<b>Top margin</b>	2
<b>Right margin</b>	2	<b>Bottom margin</b>	0	<b>Fit object to contents</b>	Unchecked
<b>Text format</b>					
<b>Font</b>	Tahoma, 15px, style=Bold	<b>Horizontal alignment</b>	Centered	<b>Vertical alignment</b>	Middle

Totally Integrated Automation Portal					
Line break		Unchecked			
<b>Flashing</b>					
Flashing		Disabled			
<b>Miscellaneous</b>					
Name		Text field_8	Layer	0 - Layer_0	
<b>Text field_9</b>					
Type		Text field			
<b>General</b>					
Text		Step 6			
<b>Appearance</b>					
Background color		255, 255, 255	Background fill pattern		Solid
Border width		1	Line style		Solid
			Foreground color		0, 0, 0
			Border color		0, 0, 0
<b>Layout</b>					
X position		393	Y position		160
Height		30	Left margin		0
Right margin		2	Bottom margin		0
			Width		77
			Top margin		2
			Fit object to contents		Unchecked
<b>Text format</b>					
Font		Tahoma, 15px, style=Bold		Horizontal alignment	
Line break		Unchecked		Vertical alignment	
				Centered	
				Middle	
<b>Flashing</b>					
Flashing		Disabled			
<b>Miscellaneous</b>					
Name		Text field_9	Layer	0 - Layer_0	
<b>Line_2</b>					
Type		Line			
<b>Appearance</b>					
Line width		1	Line style		Solid
Background color		255, 255, 255	Fill pattern		Transparent
Line-end style		Default	Line-end shape		Round
Color				0, 0, 0	
Line-start style		Default			
<b>Layout</b>					
X position		393	Y position		190
Height		65	Line start X position		393
Line end X position		393	Line end Y position		255
Width		0			
Line start Y position		190			
<b>Miscellaneous</b>					
Name		Line_2	Layer	0 - Layer_0	
<b>Line_3</b>					
Type		Line			
<b>Appearance</b>					
Line width		1	Line style		Solid
Background color		255, 255, 255	Fill pattern		Transparent
Line-end style		Default	Line-end shape		Round
Color				0, 0, 0	
Line-start style		Default			
<b>Layout</b>					
X position		469	Y position		190
Height		65	Line start X position		469
Line end X position		469	Line end Y position		255
Width		0			
Line start Y position		190			
<b>Miscellaneous</b>					
Name		Line_3	Layer	0 - Layer_0	
<b>Line_4</b>					
Type		Line			
<b>Appearance</b>					
Line width		1	Line style		Solid
Background color		255, 255, 255	Fill pattern		Transparent
Line-end style		Default	Line-end shape		Round
Color				0, 0, 0	
Line-start style		Default			
<b>Layout</b>					
X position		317	Y position		190
Height		65	Line start X position		317
Line end X position		317	Line end Y position		255
Width		0			
Line start Y position		190			
<b>Miscellaneous</b>					
Name		Line_4	Layer	0 - Layer_0	
<b>Line_5</b>					
Type		Line			
<b>Appearance</b>					
Line width		1	Line style		Solid
Background color		255, 255, 255	Fill pattern		Transparent
Line-end style		Default	Line-end shape		Round
Color				0, 0, 0	
Line-start style		Default			
<b>Layout</b>					
X position		241	Y position		190
Height		65	Line start X position		241
Line end X position		241	Line end Y position		255
Width		0			
Line start Y position		190			
<b>Miscellaneous</b>					
Name		Line_5	Layer	0 - Layer_0	
<b>Line_6</b>					
Type		Line			
<b>Appearance</b>					
Line width		1	Line style		Solid
Background color		255, 255, 255	Fill pattern		Transparent
Color				0, 0, 0	
Line-start style		Default			

Totally Integrated Automation Portal					
<b>Line-end style</b>		Default	<b>Line-end shape</b>		Round
<b>Layout</b>					
<b>X position</b>	165	<b>Y position</b>	190	<b>Width</b>	0
<b>Height</b>	65	<b>Line start X position</b>	165	<b>Line start Y position</b>	190
<b>Line end X position</b>	165	<b>Line end Y position</b>	255		
<b>Miscellaneous</b>					
<b>Name</b>	Line_6	<b>Layer</b>	0 - Layer_0		
<b>Line_7</b>					
<b>Type</b>		Line			
<b>Appearance</b>					
<b>Line width</b>	1	<b>Line style</b>	Solid	<b>Color</b>	0, 0, 0
<b>Background color</b>	255, 255, 255	<b>Fill pattern</b>	Transparent	<b>Line-start style</b>	Default
<b>Line-end style</b>	Default	<b>Line-end shape</b>	Round		
<b>Layout</b>					
<b>X position</b>	89	<b>Y position</b>	190	<b>Width</b>	0
<b>Height</b>	65	<b>Line start X position</b>	89	<b>Line start Y position</b>	190
<b>Line end X position</b>	89	<b>Line end Y position</b>	255		
<b>Miscellaneous</b>					
<b>Name</b>	Line_7	<b>Layer</b>	0 - Layer_0		
<b>Line_8</b>					
<b>Type</b>		Line			
<b>Appearance</b>					
<b>Line width</b>	1	<b>Line style</b>	Solid	<b>Color</b>	0, 0, 0
<b>Background color</b>	255, 255, 255	<b>Fill pattern</b>	Transparent	<b>Line-start style</b>	Default
<b>Line-end style</b>	Default	<b>Line-end shape</b>	Round		
<b>Layout</b>					
<b>X position</b>	12	<b>Y position</b>	190	<b>Width</b>	0
<b>Height</b>	65	<b>Line start X position</b>	12	<b>Line start Y position</b>	190
<b>Line end X position</b>	12	<b>Line end Y position</b>	255		
<b>Miscellaneous</b>					
<b>Name</b>	Line_8	<b>Layer</b>	0 - Layer_0		
<b>Line_9</b>					
<b>Type</b>		Line			
<b>Appearance</b>					
<b>Line width</b>	1	<b>Line style</b>	Solid	<b>Color</b>	0, 0, 0
<b>Background color</b>	255, 255, 255	<b>Fill pattern</b>	Transparent	<b>Line-start style</b>	Default
<b>Line-end style</b>	Default	<b>Line-end shape</b>	Round		
<b>Layout</b>					
<b>X position</b>	14	<b>Y position</b>	254	<b>Width</b>	456
<b>Height</b>	0	<b>Line start X position</b>	14	<b>Line start Y position</b>	254
<b>Line end X position</b>	470	<b>Line end Y position</b>	254		
<b>Miscellaneous</b>					
<b>Name</b>	Line_9	<b>Layer</b>	0 - Layer_0		
<b>PlotLight_Round_G_3</b>					
<b>Type</b>		Graphic I/O field			
<b>General</b>					
<b>Process value</b>	0	<b>Bit number</b>	0	<b>Mode</b>	Two states
<b>Value status ON</b>	1	<b>Graphic ON</b>	PilotLight_Round_G_On_256c	<b>Graphic OFF</b>	PilotLight_Round_G_Off_256c
<b>Graphic list</b>					
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Focus color</b>	0, 0, 0	<b>Border width</b>	0
<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0		
<b>Layout</b>					
<b>X position</b>	252	<b>Y position</b>	199	<b>Width</b>	50
<b>Height</b>	50	<b>Fit embedded graphic object to screen size</b>	Fit graphic to object size	<b>Fit object to contents</b>	Unchecked
<b>Limits</b>					
<b>Color for High limit violated</b>	255, 0, 31	<b>Color for Low limit violated</b>	218, 255, 44		
<b>Miscellaneous</b>					
<b>Name</b>	PlotLight_Round_G_3	<b>Layer</b>	0 - Layer_0	<b>Tooltip</b>	
<b>Security</b>					
<b>Authorization</b>		<b>Allow operator control</b>	Checked		
<b>Dynamizations\Tag connection</b>					
<b>Property name</b>	Process value	<b>Tag</b>	Process_Variable_Step4		
<b>PlotLight_Round_G</b>					
<b>Type</b>		Graphic I/O field			
<b>General</b>					
<b>Process value</b>	0	<b>Bit number</b>	0	<b>Mode</b>	Two states
<b>Value status ON</b>	1	<b>Graphic ON</b>	PilotLight_Round_G_On_256c	<b>Graphic OFF</b>	PilotLight_Round_G_Off_256c
<b>Graphic list</b>					
<b>Appearance</b>					
<b>Background color</b>	255, 255, 255	<b>Focus color</b>	0, 0, 0	<b>Border width</b>	0
<b>Line style</b>	Solid	<b>Border color</b>	0, 0, 0		
<b>Layout</b>					
<b>X position</b>	27	<b>Y position</b>	199	<b>Width</b>	50
<b>Height</b>	50	<b>Fit embedded graphic object to screen size</b>	Fit graphic to object size	<b>Fit object to contents</b>	Unchecked

Totally Integrated Automation Portal					
<b>Limits</b>					
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44		
<b>Miscellaneous</b>					
Name	PlotLight_Round_G	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process_Variable_Step1		
<b>PlotLight_Round_G_1</b>					
Type	Graphic I/O field				
<b>General</b>					
Process value	0	Bit number	0	Mode	Two states
Value status ON	1	Graphic ON	PilotLight_Round_G_On_256c	Graphic OFF	PilotLight_Round_G_Off_256c
Graphic list					
<b>Appearance</b>					
Background color	255, 255, 255	Focus color	0, 0, 0	Border width	0
Line style	Solid	Border color	0, 0, 0		
<b>Layout</b>					
X position	102	Y position	199	Width	50
Height	50	Fit embedded graphic object to screen size	Fit graphic to object size	Fit object to contents	Unchecked
<b>Limits</b>					
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44		
<b>Miscellaneous</b>					
Name	PlotLight_Round_G_1	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process_Variable_Step2		
<b>PlotLight_Round_G_2</b>					
Type	Graphic I/O field				
<b>General</b>					
Process value	0	Bit number	0	Mode	Two states
Value status ON	1	Graphic ON	PilotLight_Round_G_On_256c	Graphic OFF	PilotLight_Round_G_Off_256c
Graphic list					
<b>Appearance</b>					
Background color	255, 255, 255	Focus color	0, 0, 0	Border width	0
Line style	Solid	Border color	0, 0, 0		
<b>Layout</b>					
X position	177	Y position	199	Width	50
Height	50	Fit embedded graphic object to screen size	Fit graphic to object size	Fit object to contents	Unchecked
<b>Limits</b>					
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44		
<b>Miscellaneous</b>					
Name	PlotLight_Round_G_2	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process_Variable_Step3		
<b>PlotLight_Round_G_4</b>					
Type	Graphic I/O field				
<b>General</b>					
Process value	0	Bit number	0	Mode	Two states
Value status ON	1	Graphic ON	PilotLight_Round_G_On_256c	Graphic OFF	PilotLight_Round_G_Off_256c
Graphic list					
<b>Appearance</b>					
Background color	255, 255, 255	Focus color	0, 0, 0	Border width	0
Line style	Solid	Border color	0, 0, 0		
<b>Layout</b>					
X position	327	Y position	199	Width	50
Height	50	Fit embedded graphic object to screen size	Fit graphic to object size	Fit object to contents	Unchecked
<b>Limits</b>					
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44		
<b>Miscellaneous</b>					
Name	PlotLight_Round_G_4	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process_Variable_Step5		
<b>PlotLight_Round_G_5</b>					
Type	Graphic I/O field				

Totally Integrated Automation Portal					
<b>General</b>					
Process value	0	Bit number	0	Mode	Two states
Value status ON	1	Graphic ON	PilotLight_Round_G_On_256c	Graphic OFF	PilotLight_Round_G_Off_256c
Graphic list					
<b>Appearance</b>					
Background color	255, 255, 255	Focus color	0, 0, 0	Border width	0
Line style	Solid	Border color	0, 0, 0		
<b>Layout</b>					
X position	402	Y position	199	Width	50
Height	50	Fit embedded graphic object to screen size	Fit graphic to object size	Fit object to contents	Unchecked
<b>Limits</b>					
Color for High limit violated	255, 0, 31	Color for Low limit violated	218, 255, 44		
<b>Miscellaneous</b>					
Name	PlotLight_Round_G_5	Layer	0 - Layer_0	Tooltip	
<b>Security</b>					
Authorization		Allow operator control	Checked		
<b>Dynamizations\Tag connection</b>					
Property name	Process value	Tag	Process_Variable_Step6		

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / Screen management

### Templates

This folder is empty.

# Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / Screen management

## Global screen

### Hardcopy of Global screen



#### General

Name	Global screen	Background color	182, 182, 182	Grid color	0, 0, 0
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## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI tags

### Default tag table [9]

#### Encoder\_Scale\_PLC1

General					
Name	Encoder_Scale_PLC1	Connection	HMI_Connection_1	Data type	Int
Array elements	0	Length	2	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Encoder_Scale	Coding	Binary
PLC name	Encoder				
Settings					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
Limits					
Upper 2		Lower 2			
Linear scaling					
Linear scaling	Unchecked	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		
Values					
ID tag		Start value			
Comment					
Comment					
Multiplexing					
Multiplexing	Unchecked	Index tag			

#### Encoder\_Scale\_PLC2

General					
Name	Encoder_Scale_PLC2	Connection	HMI_Connection_2	Data type	Int
Array elements	0	Length	2	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Encoder_Scale	Coding	Binary
PLC name	Ricevente				
Settings					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
Limits					
Upper 2		Lower 2			
Linear scaling					
Linear scaling	Unchecked	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		
Values					
ID tag		Start value			
Comment					
Comment					
Multiplexing					
Multiplexing	Unchecked	Index tag			

#### Process\_Variable\_Step1

General					
Name	Process_Variable_Step1	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step1	Coding	Binary
PLC name	Ricevente				
Settings					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
Limits					
Upper 2		Lower 2			
Linear scaling					
Linear scaling	Unchecked	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		
Values					
ID tag		Start value			
Comment					
Comment					
Multiplexing					
Multiplexing	Unchecked	Index tag			

#### Process\_Variable\_Clock\_1\_Hz

General					
Name	Process_Variable_Clock_1_Hz	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Clock_1_Hz	Coding	Binary
PLC name	Ricevente				
Settings					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
Limits					
Upper 2		Lower 2			
Linear scaling					
Linear scaling	Unchecked	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			
<b>Multiplexing</b>			
Multiplexing	Unchecked	Index tag	

**Process\_Variable\_Step2**

<b>General</b>					
Name	Process_Variable_Step2	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step2	Coding	Binary
PLC name	Ricevente				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Lower 2			
<b>Linear scaling</b>					
Linear scaling	Unchecked	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					
<b>Multiplexing</b>					
Multiplexing	Unchecked	Index tag			

**Process\_Variable\_Step3**

<b>General</b>					
Name	Process_Variable_Step3	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step3	Coding	Binary
PLC name	Ricevente				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Lower 2			
<b>Linear scaling</b>					
Linear scaling	Unchecked	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					
<b>Multiplexing</b>					
Multiplexing	Unchecked	Index tag			

**Process\_Variable\_Step4**

<b>General</b>					
Name	Process_Variable_Step4	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step4	Coding	Binary
PLC name	Ricevente				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Lower 2			
<b>Linear scaling</b>					
Linear scaling	Unchecked	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					
<b>Multiplexing</b>					
Multiplexing	Unchecked	Index tag			

**Process\_Variable\_Step5**

<b>General</b>					
Name	Process_Variable_Step5	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step5	Coding	Binary
PLC name	Ricevente				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Lower 2			

<b>Linear scaling</b>					
Linear scaling	Unchecked	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					
<b>Multiplexing</b>					
Multiplexing	Unchecked	Index tag			

**Process\_Variable\_Step6**

<b>General</b>					
Name	Process_Variable_Step6	Connection	HMI_Connection_2	Data type	Bool
Array elements	0	Length	1	Address	
Access mode	<symbolic access>	PLC tag	Process_Variable.Step6	Coding	Binary
PLC name	Ricevente				
<b>Settings</b>					
Acquisition cycle	1 s	Acquisition mode	Cyclic in operation		
<b>Limits</b>					
Upper 2		Lower 2			
<b>Linear scaling</b>					
Linear scaling	Unchecked	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					
<b>Multiplexing</b>					
Multiplexing	Unchecked	Index tag			

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN]

### Connections

#### HMI\_Connection\_1

<b>Name</b>	HMI_Connection_1	<b>Communication driver</b>	SIMATIC S7 1200	<b>Comment</b>	
<b>Online</b>	Checked	<b>Station</b>	S7-1200 station_1	<b>Partner</b>	Encoder
<b>Node</b>	CPU 1212C AC/DC/Rly, PROFINET interface (R0/S1)	<b>HMI time synchronization mode</b>	None		

#### Parameter

<b>HMI device</b>					
<b>Interface</b>	PROFINET (X1)	<b>Address</b>	192.168.0.3	<b>Access point</b>	S7ONLINE
<b>PLC</b>					
<b>Address</b>	192.168.0.1				

#### HMI\_Connection\_2

<b>Name</b>	HMI_Connection_2	<b>Communication driver</b>	SIMATIC S7 1200	<b>Comment</b>	
<b>Online</b>	Checked	<b>Station</b>	S7-1200 station_2	<b>Partner</b>	Ricevente
<b>Node</b>	CPU 1212C AC/DC/Rly, PROFINET interface (R0/S1)	<b>HMI time synchronization mode</b>	None		

#### Parameter

<b>HMI device</b>					
<b>Interface</b>	PROFINET (X1)	<b>Address</b>	192.168.0.3	<b>Access point</b>	S7ONLINE
<b>PLC</b>					
<b>Address</b>	192.168.0.2				

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI alarms

### Discrete alarms

This folder is empty.

Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI alarms

**Analog alarms**

This folder is empty.

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI alarms

### Alarm groups

#### Alarm\_group\_1

General			
Name	Alarm_group_1	ID	1

#### Alarm\_group\_10

General			
Name	Alarm_group_10	ID	10

#### Alarm\_group\_11

General			
Name	Alarm_group_11	ID	11

#### Alarm\_group\_12

General			
Name	Alarm_group_12	ID	12

#### Alarm\_group\_13

General			
Name	Alarm_group_13	ID	13

#### Alarm\_group\_14

General			
Name	Alarm_group_14	ID	14

#### Alarm\_group\_15

General			
Name	Alarm_group_15	ID	15

#### Alarm\_group\_16

General			
Name	Alarm_group_16	ID	16

#### Alarm\_group\_2

General			
Name	Alarm_group_2	ID	2

#### Alarm\_group\_3

General			
Name	Alarm_group_3	ID	3

#### Alarm\_group\_4

General			
Name	Alarm_group_4	ID	4

#### Alarm\_group\_5

General			
Name	Alarm_group_5	ID	5

#### Alarm\_group\_6

General			
Name	Alarm_group_6	ID	6

#### Alarm\_group\_7

General			
Name	Alarm_group_7	ID	7

#### Alarm\_group\_8

General			
Name	Alarm_group_8	ID	8

#### Alarm\_group\_9

General			
Name	Alarm_group_9	ID	9

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI alarms

### Alarm classes

#### Acknowledgement

General					
Name	Acknowledgement	Display name	A	ID	33
Common alarm class	Acknowledgement				
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	Background "Incoming"	255, 0, 31	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255
Background "Incoming/Outgoing"	255, 0, 31				

#### Errors

General					
Name	Errors	Display name	!	ID	1
Common alarm class	<No alarm class>				
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	Background "Incoming"	255, 0, 31	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255
Background "Incoming/Outgoing"	255, 0, 31				

#### No Acknowledgement

General					
Name	No Acknowledgement	Display name	NA	ID	34
Common alarm class	No Acknowledgement				
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	Background "Incoming"	255, 0, 31	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255
Background "Incoming/Outgoing"	255, 0, 31				

#### System

General					
Name	System	Display name	\$	ID	3
Common alarm class	<No alarm class>				
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	Background "Incoming"	255, 255, 255	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255
Background "Incoming/Outgoing"	255, 255, 255				

#### Warnings

General					
Name	Warnings	Display name		ID	2
Common alarm class	<No alarm class>				
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	Background "Incoming"	255, 255, 255	Background "Incoming/Outgoing/Acknowledged"	255, 255, 255



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Background "Incoming/Outgoing"	255, 255, 255
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## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / HMI alarms

### System events

This folder is empty.

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN]

### Recipes

This folder is empty.

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN]

### Scheduled tasks

This folder is empty.

Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / Text and graphic lists

**Text lists**

This folder is empty.

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / Text and graphic lists

### Graphic lists

This folder is empty.

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / User administration

### User

#### Administrator

General			
Name	Administrator	Number	1
Automatic logoff			
Automatic logoff	Checked	Logoff time	5
Comment			
Comment	The user 'Administrator' is assigned to the 'Administrator' group.		
Groups			
Groups	Administrator group;		

## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / User administration

### Groups

#### Administrator group

General					
Name	Administrator group	Display name	Administrator group	Number	1
Password aging	Unchecked				
Comment					
Comment	The 'Administrator' group is initially granted all rights.				
Authorizations					
Authorizations	User administration; Monitor; Operate;				

#### Users

General					
Name	Users	Display name	Users	Number	2
Password aging	Unchecked				
Comment					
Comment	The 'Users' group is initially granted 'Operating' rights.				
Authorizations					
Authorizations	Operate;				



## Encoder\_Via\_Profinet / HMI\_1 [KTP400 Basic color PN] / User administration

### Authorizations

#### Monitor

General			
Name	Monitor	Authorization	Monitor
Authorization number	2		
Comment			
Comment	'Monitor' authorization.		

#### Operate

General			
Name	Operate	Authorization	Operate
Authorization number	3		
Comment			
Comment	'Operate' authorization.		

#### User administration

General			
Name	User administration	Authorization	User administration
Authorization number	1		
Comment			
Comment	Authorization 'User administration' for managing users in the user view in Runtime.		

## Encoder\_Via\_Profinet

### Ungrouped devices

This folder is empty.

## Encoder\_Via\_Profinet / Common data

### Alarm classes

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

## Encoder\_Via\_Profinet / Common data

### Logs

This folder is empty.

## Encoder\_Via\_Profinet / Languages & resources

### Project languages

#### Languages

##### Reference language

English (United States)

##### Editing language

English (United States)

##### Other project languages

Empty

## Encoder\_Via\_Profinet / Languages & resources / Project texts

### Project texts

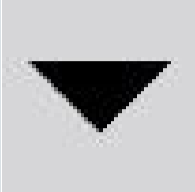
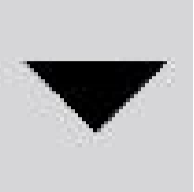
Project texts		
English (United States)	Category	Reference
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\alarmclass name not set\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\alarmclass name not set_1\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\alarmclass name not set_2\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\alarmclass name not set_3\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\alarmclass name not set_4\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\ShortName
	Alarm class text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\ShortName
	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\alarmclass name not set_1\AlarmClassData_IDisplayNaming_DisplayName
	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
!	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\alarmclass name not set\AlarmClassData_IDisplayNaming_DisplayName
!!	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\alarmclass name not set_4\AlarmClassData_IDisplayNaming_DisplayName
"Main Program Sweep (Cycle)"	Block comment	Encoder_Via_Profinet\Encoder [CPU 1212C AC/DC/Rly]\Program blocks\Main [OB1]\Block title
"Main Program Sweep (Cycle)"	Block comment	Encoder_Via_Profinet\Ricevente [CPU 1212C AC/DC/Rly]\Program blocks\Main [OB1]\Block title
\$	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\alarmclass name not set_2\AlarmClassData_IDisplayNaming_DisplayName
ENCODER READING & TRANSMITTING	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Text field_3\Text
A	Alarm class text	Encoder_Via_Profinet\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
A	Alarm class text	Encoder_Via_Profinet\Acknowledgement\ShortName
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\AcknowledgedText
A	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\AcknowledgedText
Activates remote authorization for the use of client-server scenarios.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Enable remote control\Comment
Administrator group	HMI runtime	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Administrator group\DisplayName
Authorization 'User administration' for managing users in the user view in Runtime.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\User administration\Comment
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\ComingText
I	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\ComingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\ComingGoingText
IO	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\ComingGoingText
Lettura HSC	Block comment	Encoder_Via_Profinet\Encoder [CPU 1212C AC/DC/Rly]\Program blocks\Encoder_Function [FC1]\Network 1\Network title
Monitor	HMI runtime	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Monitor\ShortName
'Monitor' authorization.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Monitor\Comment
NA	Alarm class text	Encoder_Via_Profinet\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
NA	Alarm class text	Encoder_Via_Profinet\No Acknowledgement\ShortName
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Errors\GoingText
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Warnings\GoingText
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\System\GoingText
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\GoingText
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Safety warnings\GoingText
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Acknowledgement\GoingText

Totally Integrated Automation Portal		
English (United States)	Category	Reference
O	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\GoingText
Operate	HMI runtime	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Operate\ShortName
'Operate' authorization.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Operate\Comment
PLC_1	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group\Text field_1\Text
PLC_2	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_1\Text field_2\Text
QGR	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Runtime settings\HmiAlarmSettingsData\AcknowledgementGroupText
S7	Alarm text	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\HMI alarms\Diagnosis events\alarmclass name not set_3\AlarmClassData_IDisplayNaming_DisplayName
Step 1	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_4\Text
Step 2	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_5\Text
Step 3	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_6\Text
Step 4	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_7\Text
Step 5	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_8\Text
Step 6	HMI screen	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\Screens\Screen_1\Group_3\Text field_9\Text
The 'Administrator' group is initially granted all rights.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Administrator group\Comment
The user 'Administrator' is assigned to the 'Administrator' group.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Administrator\Comment
The 'Users' group is initially granted 'Operating' rights.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Users\Comment
User administration	HMI runtime	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\User administration\ShortName
Users	HMI runtime	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Users\DisplayName
Web access - view only. Authorization for the use of Web Navigator and for client-server systems.	HMI comment	Encoder_Via_Profinet\HMI_1 [KTP400 Basic color PN]\User administration\Web access - view only\Comment



## Encoder\_Via\_Profinet / Languages & resources

### Project graphics

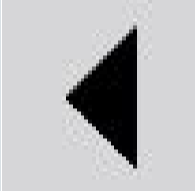
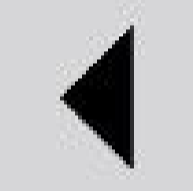
#### Down\_Arrow

Standard graphic	English (United States)
	
▶ <i>Dithering mode</i>	
Same color	Same color
▶ <i>Smoothing</i>	
Unchecked	Unchecked

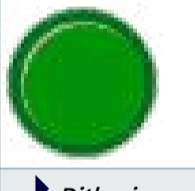

#### Home

Standard graphic	English (United States)
	
▶ <i>Dithering mode</i>	
Same color	Same color
▶ <i>Smoothing</i>	
Unchecked	Unchecked


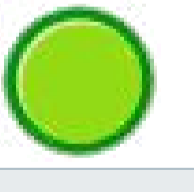
#### Left\_Arrow

Standard graphic	English (United States)
	
▶ <i>Dithering mode</i>	
Same color	Same color
▶ <i>Smoothing</i>	
Unchecked	Unchecked

#### PilotLight\_Round\_G\_Off\_256c

Standard graphic	English (United States)
	
▶ <i>Dithering mode</i>	
Same color	Same color
▶ <i>Smoothing</i>	
Unchecked	Unchecked

#### PilotLight\_Round\_G\_On\_256c

Standard graphic	English (United States)
	
▶ <i>Dithering mode</i>	
Same color	Same color
▶ <i>Smoothing</i>	
Unchecked	Unchecked

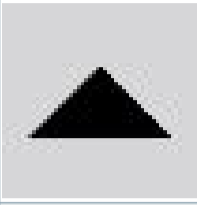
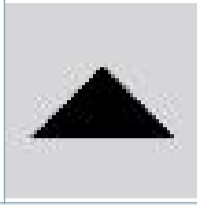
#### Right\_Arrow

Standard graphic	English (United States)
	



<b>Standard graphic</b>		<b>English (United States)</b>
▶ <i>Dithering mode</i>		
Same color		Same color
▶ <i>Smoothing</i>		
Unchecked		Unchecked

**Up\_Arrow**

<b>Standard graphic</b>		<b>English (United States)</b>
		
▶ <i>Dithering mode</i>		
Same color		Same color
▶ <i>Smoothing</i>		
Unchecked		Unchecked