cwiczenie0

Project					
Name:	cwiczenie0	**Creation time:**	3/12/2019 4:30:00 PM	**Last change**	3/12/2019 5:17:03 PM
Author:	AA_LAB7	**Last modified by:**	AA_LAB7	**Version:**	
Comment:					

Operating system	
Name	**Description**
Operating system	Microsoft Windows 8.1 Pro
Version of the operating system	6.3.9600.0
Operating system service pack	
Version of the Internet Explorer	9.11.9600.17031
Computer name	LAB7
User name	LAB7\AA_LAB7
Installation path of the TIA Portal	C:\Program Files (x86)\Siemens\Automation\Portal V13

Components		
Name	**Version**	**Release**
Totally Integrated Automation Portal V13 - TIA Portal Single Setup-Package V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - HM All Editions Single SetupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - HM NoBasic Sin-gle SetupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - Hardware Support Base Package 0 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - STEP 7 Single Se-tupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - Hardware Support Base Package 02 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - Hardware Support Base Package 03 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - Support Base Package TO-01 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - Support Base Package TO-02 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - Hardware Support Base Package WCF-01 V13.0 (TIAP13)	V13.0	V13.00.00.00_10.01.00.03
Siemens Totally Integrated Automation Portal V13 - TIACOMPCHECK Single SetupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - TIA Tour Single SetupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - Simatic Single Se-tupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Siemens Totally Integrated Automation Portal V13 - WinCC Single Se-tupPackage V13.0 + SP1 (TIAP13)	V13.0 + SP1	V13.00.01.00_25.01.00.01
Automation Software Updater	13.0	V01.02.01.00_10.01.00.15
SIMATIC HMI ProSave	13.0.1.0	V13.00.01.00_25.01.00.01
SIMATIC HMI Symbol Library	13.0.1.0	V13.00.01.00_25.01.00.01
SIMATIC Device Drivers WoW	29.0	29.00.00.00_01.24.00.02
SIMATIC Event Database	5.5	05.05.04.02_01.01.00.02
SeCon	2.2.0.0	V02.02.00.00_01.05.00.02
WinCC Runtime Advanced Simulator	13.0.1.0	V13.00.01.00_25.01.00.01

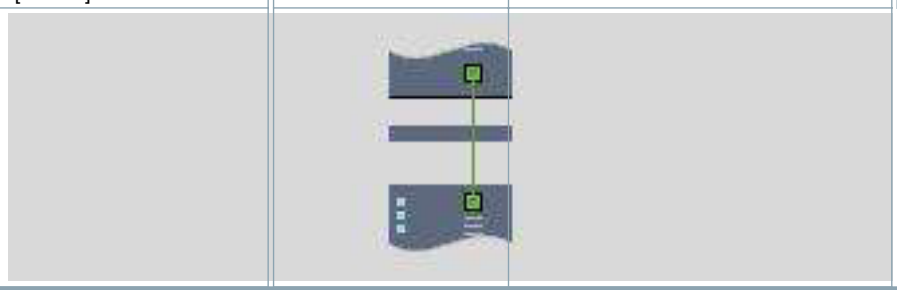
Products		
Name	**Version**	**Release**
SIMATIC STEP 7 Basic	V13.0 SP1	V13.00.01.00_25.01.00.01
SIMATIC WinCC Basic	V13.0 SP1	V13.00.01.00_25.01.00.01
Automation License Manager	V5.3 + SP2 + Upd2	05.03.02.02_01.01.00.01
SIMATIC ProSave	V13.0 SP1	V13.00.01.00_25.01.00.01

cwiczenie0

PLC_1 [CPU 1212C AC/DC/Rly]

PLC_1					
General\Project information					
Name	PLC_1	**Author**	AA_LAB7	**Comment**	
Slot	1	**Rack**	0		
General\Catalog information					
Short designation	CPU 1212C AC/DC/Rly	**Description**	Work memory 75 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 212-1BE40-0XB0
Firmware version	V4.1				
General\Identification & Maintenance					
Plant designation		**Location identifier**		**Installation date**	2019-03-12 16:32:03.545
Additional information					
PROFINET interface [X1]\General					
Name	PROFINET interface_1	**Author**	AA_LAB7	**Comment**	
PROFINET interface [X1]\General\Project information					
Name	DI 8/DQ 6_1	**Comment**		**Name**	AI 2_1
Comment					
PROFINET interface [X1]\Ethernet addresses\Interface networked with					
Subnet:	PN/IE_1				
PROFINET interface [X1]\Ethernet addresses\IP protocol					
	Set IP address in the project	**IP address:**	192.168.0.1	**Subnet mask:**	255.255.255.0
Use router	False				
PROFINET interface [X1]\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	**Generate PROFINET device name automatically**	True	**PROFINET device name**	plc_1
Converted name:	plcxb1d0ed	**Device number:**	0		
PROFINET interface [X1]\Time synchronization					
Enable time synchronization via NTP server	Enable time synchronization via NTP server		IP addresses	**Server 1**	0.0.0.0
Server 2	0.0.0.0	**Server 3**	0.0.0.0	**Server 4**	0.0.0.0
Update interval	10sec				
PROFINET interface [X1]\Digital inputs\Channel0					
Channel address	I0.0	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel0					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49152	**Event name:**	0
Hardware interrupt:	0	**Rising edge0**	Rising edge0		
PROFINET interface [X1]\Digital inputs\Channel0					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49280	**Event name:**	0
Hardware interrupt:	0	**Falling edge0**	Falling edge0		
PROFINET interface [X1]\Digital inputs\Channel1					
Channel address	I0.1	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel1					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49153	**Event name:**	0
Hardware interrupt:	0	**Rising edge1**	Rising edge1		
PROFINET interface [X1]\Digital inputs\Channel1					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49281	**Event name:**	0
Hardware interrupt:	0	**Falling edge1**	Falling edge1		
PROFINET interface [X1]\Digital inputs\Channel2					
Channel address	I0.2	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel2					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49154	**Event name:**	0
Hardware interrupt:	0	**Rising edge2**	Rising edge2		
PROFINET interface [X1]\Digital inputs\Channel2					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49282	**Event name:**	0
Hardware interrupt:	0	**Falling edge2**	Falling edge2		
PROFINET interface [X1]\Digital inputs\Channel3					
Channel address	I0.3	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel3					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49155	**Event name:**	0
Hardware interrupt:	0	**Rising edge3**	Rising edge3		
PROFINET interface [X1]\Digital inputs\Channel3					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49283	**Event name:**	0
Hardware interrupt:	0	**Falling edge3**	Falling edge3		
PROFINET interface [X1]\Digital inputs\Channel4					
Channel address	I0.4	**Input filters**	6.4 millisec	**Enable pulse catch**	0

PROFINET interface [X1]\Digital inputs\Channel4					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49156	**Event name:**	0
Hardware interrupt:	0	**Rising edge4**	Rising edge4		
PROFINET interface [X1]\Digital inputs\Channel4					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49284	**Event name:**	0
Hardware interrupt:	0	**Falling edge4**	Falling edge4		
PROFINET interface [X1]\Digital inputs\Channel5					
Channel address	I0.5	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel5					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49157	**Event name:**	0
Hardware interrupt:	0	**Rising edge5**	Rising edge5		
PROFINET interface [X1]\Digital inputs\Channel5					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49285	**Event name:**	0
Hardware interrupt:	0	**Falling edge5**	Falling edge5		
PROFINET interface [X1]\Digital inputs\Channel6					
Channel address	I0.6	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel6					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49158	**Event name:**	0
Hardware interrupt:	0	**Rising edge6**	Rising edge6		
PROFINET interface [X1]\Digital inputs\Channel6					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49286	**Event name:**	0
Hardware interrupt:	0	**Falling edge6**	Falling edge6		
PROFINET interface [X1]\Digital inputs\Channel7					
Channel address	I0.7	**Input filters**	6.4 millisec	**Enable pulse catch**	0
PROFINET interface [X1]\Digital inputs\Channel7					
Enable rising edge detection	0	**RidPrefixRisingEdgeEvent**	49159	**Event name:**	0
Hardware interrupt:	0	**Rising edge7**	Rising edge7		
PROFINET interface [X1]\Digital inputs\Channel7					
Enable falling edge detection	0	**RidPrefixFallingEdgeEvent**	49287	**Event name:**	0
Hardware interrupt:	0	**Falling edge7**	Falling edge7		
PROFINET interface [X1]\Analog inputs\Noise reduction					
Integration time	50 Hz (20 ms)				
PROFINET interface [X1]\Analog inputs\Channel0					
Channel address	IW64	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Analog inputs\Channel1					
Channel address	IW66	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface [X1]\Digital outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface [X1]\Digital outputs\Channel0					
Channel address	Q0.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel1					
Channel address	Q0.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel2					
Channel address	Q0.2	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel3					
Channel address	Q0.3	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel4					
Channel address	Q0.4	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Digital outputs\Channel5					
Channel address	Q0.5	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface [X1]\Operating mode					
IO controller	True	**IO system**		**Device number**	0
IO device	False				
PROFINET interface [X1]\I/O addresses\Input addresses					
Start address	0	**End address**	0	**Organization block**	0
Process image	0				
PROFINET interface [X1]\I/O addresses\Output addresses					
Start address	0	**End address**	0	**Organization block**	0
Process image	0				
PROFINET interface [X1]\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	**Permit overwriting of device names of all assigned IO devices**	False	**Use IEC V2.2 LLDP mode**	False
Send keepalives for connections	30s				

PROFINET interface [X1]\Advanced options\Real time settings\IO communication					
Send clock:	1.000ms				
PROFINET interface [X1]\Advanced options\Real time settings\Real time options					
Calculated band-width for cyclic IO data:	0.000ms				
PROFINET interface [X1]\Advanced options\Port [X1 P1]\General					
Name	Port_1	**Author**	AA_LAB7	**Comment**	
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1]	**Medium:**	Copper	**Cable name:**	---
					
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Alternative partners**	False	**Partner port:**	CSM 1277_1\SCALANCE interface [X1]\Port_2 [X1 P2]
Medium:	Copper	**Cable length:**			
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Activate					
Activate this port for use	True				
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotia-tion**	True
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology dis-covery**	False	**End of the sync do-main**	False
PROFINET interface [X1]\Advanced options\Port [X1 P1]\Hardware identifier\Hardware identifier					
Hardware identifier	65				
PROFINET interface [X1]\Web server access					
Enable Web server using this interface	False	**The Web server must also be activa-ted in the properties of the PLC.**			
PROFINET interface [X1]\Hardware identifier\Hardware identifier					
Hardware identifier	264	**Hardware identifier**	64		
High speed counters (HSC)\HSC1\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC1\General\Project information					
Name	HSC_1	**Comment**			
High speed counters (HSC)\HSC1\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting di-rection**	Count up		
Frequency measur-ing period	-/-sec				
High speed counters (HSC)\HSC1\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference val-ue**	0		
High speed counters (HSC)\HSC1\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC1\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value0**	Counter value equal to reference value0	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC1\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalRe-set**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset0**	External reset0	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC1\Event configuration					
Generate interrupt for change of direc-tion event.	0	**RidPrefixDirection-Change**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direc-tion0**	Change of direction0	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC1\Hardware inputs					
Clock generator in-put	---	**HSCInput0_Status**	1	**Direction input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the Spee-dAndSourceDisplay**	HscChannel.SpeedAndSourceDis-play
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				

High speed counters (HSC)\HSC1\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC1\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC1\I/O addresses\Input addresses					
Start address	1000	**End address**	1003	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC1\Hardware identifier\Hardware identifier					
Hardware identifier	257				
High speed counters (HSC)\HSC2\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC2\General\Project information					
Name	HSC_2	**Comment**			
High speed counters (HSC)\HSC2\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting direction**	Count up		
Frequency measuring period	-/-sec				
High speed counters (HSC)\HSC2\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference value**	0		
High speed counters (HSC)\HSC2\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC2\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value1**	Counter value equal to reference value1	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC2\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalReset**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset1**	External reset1	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC2\Event configuration					
Generate interrupt for change of direction event.	0	**RidPrefixDirectionChange**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direction1**	Change of direction1	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC2\Hardware inputs					
Clock generator input	---	**HSCInput0_Status**	1	**Direction input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC2\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC2\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay

Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC2\I/O addresses\Input addresses					
Start address	1004	**End address**	1007	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC2\Hardware identifier\Hardware identifier					
Hardware identifier	258				
High speed counters (HSC)\HSC3\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC3\General\Project information					
Name	HSC_3	**Comment**			
High speed counters (HSC)\HSC3\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting direction**	Count up		
Frequency measuring period	-/-sec				
High speed counters (HSC)\HSC3\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference value**	0		
High speed counters (HSC)\HSC3\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC3\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value2**	Counter value equal to reference value2	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC3\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalReset**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset2**	External reset2	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC3\Event configuration					
Generate interrupt for change of direction event.	0	**RidPrefixDirectionChange**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direction2**	Change of direction2	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC3\Hardware inputs					
Clock generator input	---	**HSCInput0_Status**	1	**Direction input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC3\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC3\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC3\I/O addresses\Input addresses					
Start address	1008	**End address**	1011	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC3\Hardware identifier\Hardware identifier					
Hardware identifier	259				
High speed counters (HSC)\HSC4\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC4\General\Project information					
Name	HSC_4	**Comment**			
High speed counters (HSC)\HSC4\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting direction**	Count up		

Frequency measuring period	-/-sec				
High speed counters (HSC)\HSC4\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference value**	0		
High speed counters (HSC)\HSC4\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC4\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value3**	Counter value equal to reference value3	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC4\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalReset**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset3**	External reset3	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC4\Event configuration					
Generate interrupt for change of direction event.	0	**RidPrefixDirectionChange**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direction3**	Change of direction3	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC4\Hardware inputs					
Clock generator input	---	**HSCInput0_Status**	1	**Direction input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC4\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC4\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC4\I/O addresses\Input addresses					
Start address	1012	**End address**	1015	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC4\Hardware identifier\Hardware identifier					
Hardware identifier	260				
High speed counters (HSC)\HSC5\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC5\General\Project information					
Name	HSC_5	**Comment**			
High speed counters (HSC)\HSC5\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting direction**	Count up		
Frequency measuring period	-/-sec				
High speed counters (HSC)\HSC5\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference value**	0		
High speed counters (HSC)\HSC5\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC5\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value4**	Counter value equal to reference value4	**ValueNull**	0
ValueNull	0	**EventPriority**	6		

High speed counters (HSC)\HSC5\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalReset**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset4**	External reset4	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC5\Event configuration					
Generate interrupt for change of direction event.	0	**RidPrefixDirectionChange**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direction4**	Change of direction4	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC5\Hardware inputs					
Clock generator input	---	**HSCInput0_Status**	1	**Direction input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC5\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC5\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC5\I/O addresses\Input addresses					
Start address	1016	**End address**	1019	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC5\Hardware identifier\Hardware identifier					
Hardware identifier	261				
High speed counters (HSC)\HSC6\General\Enable					
Enable this high speed counter	0				
High speed counters (HSC)\HSC6\General\Project information					
Name	HSC_6	**Comment**			
High speed counters (HSC)\HSC6\Function					
Type of counting	Count	**Operating phase**	Single phase		
Counting direction is specified by	User program (internal direction control)	**Initial counting direction**	Count up		
Frequency measuring period	-/-sec				
High speed counters (HSC)\HSC6\Reset to initial values\Reset values					
Initial counter value	0	**Initial reference value**	0		
High speed counters (HSC)\HSC6\Reset to initial values\Reset options					
Use external reset input	0	**Reset signal level**	-/-		
High speed counters (HSC)\HSC6\Event configuration					
Generate interrupt for counter value equals reference value event.	0	**RidPrefixCvEqualsPv**	49152	**Event name:**	0
Hardware interrupt:	0	**Counter value equal to reference value5**	Counter value equal to reference value5	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC6\Event configuration					
Generate interrupt for external reset event.	0	**RidPrefixExternalReset**	49408	**Event name:**	0
Hardware interrupt:	0	**External reset5**	External reset5	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC6\Event configuration					
Generate interrupt for change of direction event.	0	**RidPrefixDirectionChange**	49280	**Event name:**	0
Hardware interrupt:	0	**Change of direction5**	Change of direction5	**ValueNull**	0
ValueNull	0	**EventPriority**	6		
High speed counters (HSC)\HSC6\Hardware inputs					
Clock generator input	---	**HSCInput0_Status**	1	**Direction input**	---

Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC6\Hardware inputs					
Direction input	---	**HSCInput1_Status**	1	**Clock generator input**	---
Reset input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC6\Hardware inputs					
Reset input	---	**HSCInput2_Status**	1	**Clock generator input**	---
Direction input	---	**Adapter name the user control should use for the address string**	HscChannel.AddressString	**Adapter name the user control should use for the SpeedAndSourceDisplay**	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counters (HSC)\HSC6\I/O addresses\Input addresses					
Start address	1020	**End address**	1023	**Organization block**	0
Process image	0				
High speed counters (HSC)\HSC6\Hardware identifier\Hardware identifier					
Hardware identifier	262				
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable					
Enable this pulse generator	0				
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information					
Name	Pulse_1	**Comment**			
Pulse generators (PTO/PWM)\PTO1/PWM1\Parameter assignment\Pulse options					
Signal type	PWM	**Time base:**	Milliseconds	**Pulse duration format**	Hundredths
Cycle time	100ms	**Initial pulse duration**	50Hundredths		
Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware outputs					
Enable direction output	0				
Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware outputs					
Pulse output		**PulseOutput1_Status**	1	**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware outputs					
PulseOutput2_Status	1	**Pulse output**		**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses					
Start address	1000	**End address**	1001	**Organization block**	0
Process image	0				
Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware identifier\Hardware identifier					
Hardware identifier	265				
Pulse generators (PTO/PWM)\PTO2/PWM2\General\Enable					
Enable this pulse generator	0				
Pulse generators (PTO/PWM)\PTO2/PWM2\General\Project information					
Name	Pulse_2	**Comment**			
Pulse generators (PTO/PWM)\PTO2/PWM2\Parameter assignment\Pulse options					
Signal type	PWM	**Time base:**	Milliseconds	**Pulse duration format**	Hundredths
Cycle time	100ms	**Initial pulse duration**	50Hundredths		
Pulse generators (PTO/PWM)\PTO2/PWM2\Hardware outputs					
Enable direction output	0				
Pulse generators (PTO/PWM)\PTO2/PWM2\Hardware outputs					
Pulse output		**PulseOutput1_Status**	1	**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		

Pulse generators (PTO/PWM)\PTO2/PWM2\Hardware outputs					
PulseOutput2_Status	1	**Pulse output**		**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO2/PWM2\I/O addresses\Output addresses					
Start address	1002	**End address**	1003	**Organization block**	0
Process image	0				
Pulse generators (PTO/PWM)\PTO2/PWM2\Hardware identifier\Hardware identifier					
Hardware identifier	266				
Pulse generators (PTO/PWM)\PTO3/PWM3\General\Enable					
Enable this pulse generator	0				
Pulse generators (PTO/PWM)\PTO3/PWM3\General\Project information					
Name	Pulse_3	**Comment**			
Pulse generators (PTO/PWM)\PTO3/PWM3\Parameter assignment\Pulse options					
Signal type	PWM	**Time base:**	Milliseconds	**Pulse duration format**	Hundredths
Cycle time	100ms	**Initial pulse duration**	50Hundredths		
Pulse generators (PTO/PWM)\PTO3/PWM3\Hardware outputs					
Enable direction output	0				
Pulse generators (PTO/PWM)\PTO3/PWM3\Hardware outputs					
Pulse output		**PulseOutput1_Status**	1	**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO3/PWM3\Hardware outputs					
PulseOutput2_Status	1	**Pulse output**		**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO3/PWM3\I/O addresses\Output addresses					
Start address	1004	**End address**	1005	**Organization block**	0
Process image	0				
Pulse generators (PTO/PWM)\PTO3/PWM3\Hardware identifier\Hardware identifier					
Hardware identifier	267				
Pulse generators (PTO/PWM)\PTO4/PWM4\General\Enable					
Enable this pulse generator	0				
Pulse generators (PTO/PWM)\PTO4/PWM4\General\Project information					
Name	Pulse_4	**Comment**			
Pulse generators (PTO/PWM)\PTO4/PWM4\Parameter assignment\Pulse options					
Signal type	PWM	**Time base:**	Milliseconds	**Pulse duration format**	Hundredths
Cycle time	100ms	**Initial pulse duration**	50Hundredths		
Pulse generators (PTO/PWM)\PTO4/PWM4\Hardware outputs					
Enable direction output	0				
Pulse generators (PTO/PWM)\PTO4/PWM4\Hardware outputs					
Pulse output		**PulseOutput1_Status**	1	**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO4/PWM4\Hardware outputs					
PulseOutput2_Status	1	**Pulse output**		**Adapter name the user control should use for the address string**	PulseChannel.AddressString
Adapter name the user control should use for the SpeedAndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	**Adapter name the user control should use for the Output Source**	PulseChannel.OutputSource		
Pulse generators (PTO/PWM)\PTO4/PWM4\I/O addresses\Output addresses					
Start address	1006	**End address**	1007	**Organization block**	0
Process image	0				
Pulse generators (PTO/PWM)\PTO4/PWM4\Hardware identifier\Hardware identifier					
Hardware identifier	268				
Startup					
Startup after POWER ON	Warm restart - mode before POWER OFF	**Comparison preset to actual configuration**	Startup CPU even if mismatch	**Configuration time for central and distributed I/O**	60000ms
OBs should be interruptible	1				

Cycle					
Cycle monitoring time	150ms			**Enable minimum cycle time for cyclic OBs**	0
Minimum cycle time	1ms				
Communication load					
Cycle load due to communication	20%				
System and clock memory\System memory bits					
Enable the use of system memory byte	0	**Address of system memory byte (MBx)**	1	**First cycle**	
Diagnostic status changed		**Always 1 (high)**		**Always 0 (low)**	
System and clock memory\Clock memory bits					
Enable the use of clock memory byte	0	**Address of clock memory byte (MBx)**	0	**10 Hz clock**	
5 Hz clock		**2.5 Hz clock**		**2 Hz clock**	
1.25 Hz clock		**1 Hz clock**		**0.625 Hz clock**	
0.5 Hz clock					
Web server\General					
Activate Web server on all modules of this device	False	**Permit access only with HTTPS**	True		
Web server\Automatic update					
Enable automatic update	True	**Update interval**	0s		
Time of day\Local time					
Time zone	(UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna				
Time of day\Daylight saving time					
Activate daylight saving time	1	**Difference between standard and daylight saving time**	60mins		
Time of day\Daylight saving time\Start of daylight saving time					
Starting week of the month:	Last		Sunday	**of**	March
at	01:00 a.m.				
Time of day\Daylight saving time\Start of standard time					
	Last		Sunday	**of**	October
at	02:00 a.m.				
Protection					
Level of protection	No protection				
Protection\Connection mechanisms					
Permit access with PUT/GET communication from remote partner (PLC, HMI, OPC, ...)	False				
Configuration control\Configuration control for central configuration					
Allow to reconfigure the device via the user program	0				
Anchor (AddressesOverviewMenu)					
Inputs	True	**Outputs**	True	**Address gaps**	False
Slot	True				

Anchor (AddressesOverviewMenu)\Overview of addresses

Type	Addr. from	Addr. to	Module	PIP	DP	PN	Rack	Slot
I	0	0	DI 8/DQ 6_1	None	-	-	0	1 1
I	64	67	AI 2_1	None	-	-	0	1 2
I	1000	1003	HSC_1	None	-	-	0	1 16
I	1004	1007	HSC_2	None	-	-	0	1 17
I	1008	1011	HSC_3	None	-	-	0	1 18
I	1012	1015	HSC_4	None	-	-	0	1 19
I	1016	1019	HSC_5	None	-	-	0	1 20
I	1020	1023	HSC_6	None	-	-	0	1 21
I	96	103	AI 4xRTD_1	None	-	-	0	2
O	0	0	DI 8/DQ 6_1	None	-	-	0	1 1
O	1000	1001	Pulse_1	None	-	-	0	1 32
O	1002	1003	Pulse_2	None	-	-	0	1 33
O	1004	1005	Pulse_3	None	-	-	0	1 34
O	1006	1007	Pulse_4	None	-	-	0	1 35
O	112	115	AQ 2x14BIT_1	None	-	-	0	3

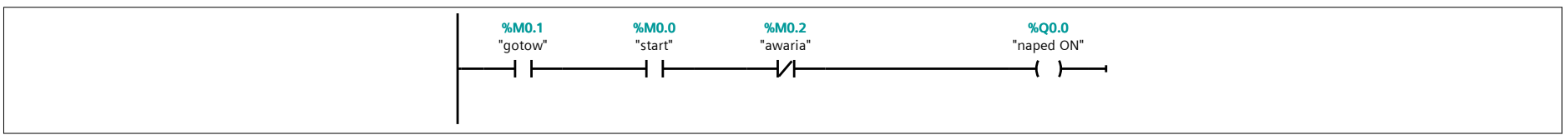
cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Main [OB1]

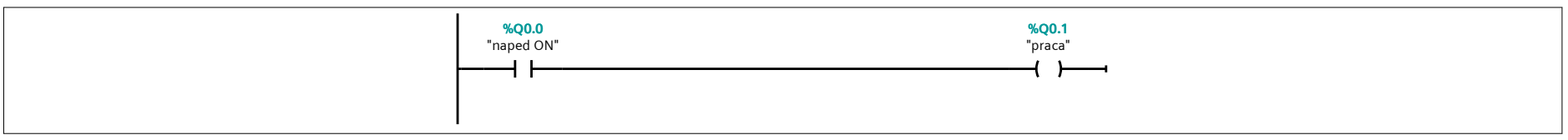
Main Properties							
General							
Name	Main	**Number**	1	**Type**	OB	**Language**	LAD
Numbering	automatic						
Information							
Title	"Main Program Sweep (Cycle)"	**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value
Input		
Initial_Call	Bool	
Remanence	Bool	
Temp		
Constant		

Network 1:



Network 2:



cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly]

Technology objects

This folder is empty.

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [36]

PLC tags

PLC tags				
	Name	**Data type**	**Address**	**Retain**
	start	Bool	%M0.0	False
	gotow	Bool	%M0.1	False
	awaria	Bool	%M0.2	False
	stop	Bool	%M0.3	False
	naped ON	Bool	%Q0.0	False
	praca	Bool	%Q0.1	False

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [36]

User constants

User constants			
	Name	Data type	Value

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly]

PLC data types

This folder is empty.

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / Watch and force tables

Force table

Name	Address	Display format	Force value

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / Traces

Measurements

This folder is empty.

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly]

Text lists

This folder is empty.

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / Local modules

AI 4xRTD_1

AI 4xRTD_1					
General\Project information					
Name	AI 4xRTD_1	**Author**	AA_LAB7	**Comment**	
Slot	2				
General\Catalog information					
Short designation	SM 1231 AI4 x RTD	**Description**	Analog input module AI4 x RTD	**Article number**	6ES7 231-5PD32-0XB0
Firmware version	V2.0				
AI 4xRTD\Project information					
Name	AI 4xRTD_1	**Comment**			
AI 4xRTD\Module diagnostics					
Enable power supply diagnostics	1	**Additional diagnostics may be selected for each input/ output.**			
AI 4xRTD\Analog inputs\Noise reduction					
Integration time	50 Hz (20 ms)				
AI 4xRTD\Analog inputs\Channel0					
Channel address	IW96	**Measurement type**	Thermal resistor (4-wire)	**Thermal resistor**	Pt 100 standard range
Temperature coefficient	Pt 0.00385055 ohms/ohms/°C (DIN EN 60751)	**Temperature scale**	Celsius	**Smoothing**	Weak (4 cycles)
		Enable broken wire diagnostics	0	**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
AI 4xRTD\Analog inputs\Channel1					
Channel address	IW98	**Measurement type**	Thermal resistor (4-wire)	**Thermal resistor**	Pt 100 standard range
Temperature coefficient	Pt 0.00385055 ohms/ohms/°C (DIN EN 60751)	**Temperature scale**	Celsius	**Smoothing**	Weak (4 cycles)
		Enable broken wire diagnostics	0	**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
AI 4xRTD\Analog inputs\Channel2					
Channel address	IW100	**Measurement type**	Thermal resistor (4-wire)	**Thermal resistor**	Pt 100 standard range
Temperature coefficient	Pt 0.00385055 ohms/ohms/°C (DIN EN 60751)	**Temperature scale**	Celsius	**Smoothing**	Weak (4 cycles)
		Enable broken wire diagnostics	0	**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
AI 4xRTD\Analog inputs\Channel3					
Channel address	IW102	**Measurement type**	Thermal resistor (4-wire)	**Thermal resistor**	Pt 100 standard range
Temperature coefficient	Pt 0.00385055 ohms/ohms/°C (DIN EN 60751)	**Temperature scale**	Celsius	**Smoothing**	Weak (4 cycles)
		Enable broken wire diagnostics	0	**Enable overflow diagnostics**	1
Enable underflow diagnostics	1				
AI 4xRTD\I/O addresses\Input addresses					
Start address	96	**End address**	103	**Organization block**	0
Process image	0				
AI 4xRTD\Hardware identifier\Hardware identifier					
Hardware identifier	269				

cwiczenie0 / PLC_1 [CPU 1212C AC/DC/Rly] / Local modules

AQ 2x14BIT_1

AQ 2x14BIT_1					
General\Project information					
Name	AQ 2x14BIT_1	**Author**	AA_LAB7	**Comment**	
Slot	3				
General\Catalog information					
Short designation	SM 1232 AQ2	**Description**	Analog output module AQ2 x 14 bits; plug-in terminal blocks; output: +/-10V and 0 to 20 mA; selectable diagnostics; selectable substitute value for output	**Article number**	6ES7 232-4HB32-0XB0
Firmware version	V2.0				
AQ 2\Project information					
Name	AQ 2x14BIT_1	**Comment**			
AQ 2\Module diagnostics					
Enable power supply diagnostics	1	**Additional diagnostics may be selected for each input/ output.**			
AQ 2\Analog outputs					
Reaction to CPU STOP	Use substitute value				
AQ 2\Analog outputs\Channel0					
Channel address	QW112	**Analog output type**	Voltage	**Voltage range**	+/- 10 V
Substitute value for channel on a change from RUN to STOP	2.500V			**Enable short circuit diagnostics**	1
Enable overflow diagnostics	1	**Enable underflow diagnostics**	1		
AQ 2\Analog outputs\Channel1					
Channel address	QW114	**Analog output type**	Voltage	**Voltage range**	+/- 10 V
Substitute value for channel on a change from RUN to STOP	2.500V			**Enable short circuit diagnostics**	1
Enable overflow diagnostics	1	**Enable underflow diagnostics**	1		
AQ 2\I/O addresses\Output addresses					
Start address	112	**End address**	115	**Organization block**	0
Process image	0				
AQ 2\Hardware identifier\Hardware identifier					
Hardware identifier	270				

cwiczenie0

HMI_1 [KTP400 Basic PN]

HMI_1	
General	
Name	HMI_1

cwiczenie0 / HMI_1 [KTP400 Basic PN]

Runtime settings

General

Start screen	Screen_1	**Default template**		**Default style of the project**	Checked
Style of the HMI device	WinCC Dark V 1.0.1	**Adapt font size to style**	Checked	**Screen resolution**	480, 272
Project ID	0	**Logging language**	Startup language		

Screens

Bit selection for text and graphic lists	Off	**User-defined pictogram size**	Unchecked	**X,Y:**	64, 45

Keyboard

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

Alarms

Controller alarms

Buffer overflow	10 %	**Acknowledgment group text**	QGR	**Use alarm class color**	Unchecked
System event duration	2 Seconds	**Connection**	HMI_Connection_1		

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 (USA)

English (USA)

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

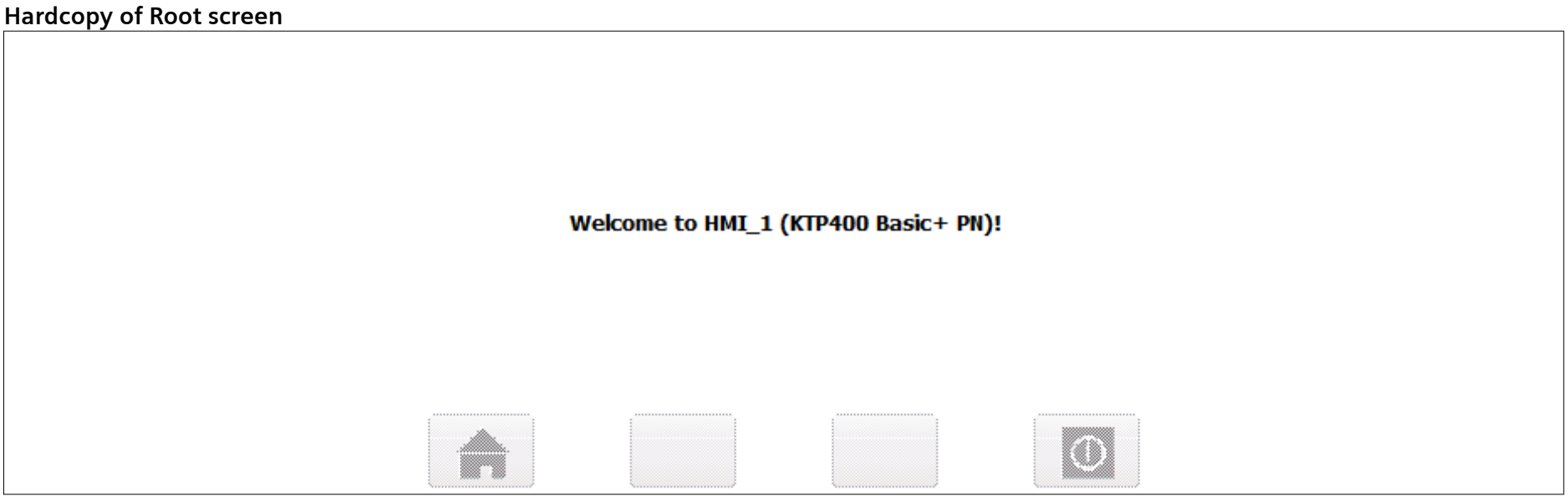
Tag settings

Replace the separator on each sub-level of the path of the PLC tag:	Checked	**Compatibility mode: Set '_' between the PLC tags and the first-level element.**	Unchecked	**Replace the '.' character if the name of the HMI tag is created from the PLC tag name**	Checked
Use '_' as the replacement character	Checked	**Use ';' as the replacement character**	Unchecked	**Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name**	Checked
Use '{' and '}' as replacement characters	Checked	**Use '(' and ')' as replacement characters**	Unchecked	**Connection**	HMI_Connection_1
PLC name as prefix in the HMI tag name	Unchecked				

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Screens

Root screen

Hardcopy of Root screen



Name	Root screen	**Background color**	255, 255, 255	**Grid color**	0, 0, 0
Tooltip		**Number**	1	**Template**	Template_1

HmiScreenItemData

Type	Text field	**Name**	HmiScreenItemData	**Y position**	102
X position	48	**Width**	384	**Height**	22
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	Welcome to HMI_1 (KTP400 Basic+ PN)!

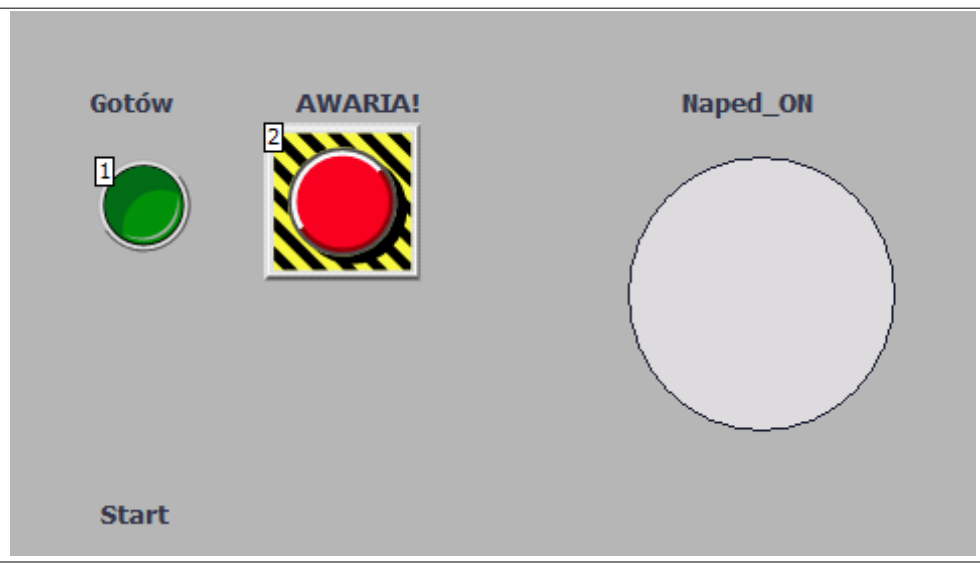
Softkey_F1

Type	Function key

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Screens

Screen_1

Hardcopy of Screen_1



Name	Screen_1	**Background color**	181, 182, 181	**Grid color**	0, 0, 0
Tooltip		**Number**	2	**Template**	

Pushbutton_Round_G

Type	Switch	**Name**	Pushbutton_Round_G	**Y position**	73
X position	42	**Width**	50	**Height**	50
Layer	0 - Layer_0	**Mode**	Switch with graphic		
Dynamizations\Tag connection					
Property name	Process value	**Tag**	gotow		

Text field_1

Type	Text field	**Name**	Text field_1	**Y position**	36
X position	37	**Width**	46	**Height**	20
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	Gotów

Text field_2

Type	Text field	**Name**	Text field_2	**Y position**	241
X position	42	**Width**	39	**Height**	20
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	Start

Softkey_F1

Type	Function key
Dynamizations\Event	
Event name	Press key

Function list\SetBit

Tag	start

Pushbutton_Emergency

Type	Switch	**Name**	Pushbutton_Emergency	**Y position**	56
X position	126	**Width**	80	**Height**	80
Layer	0 - Layer_0	**Mode**	Switch with graphic		
Dynamizations\Tag connection					
Property name	Process value	**Tag**	awaria		

Text field_3

Type	Text field	**Name**	Text field_3	**Y position**	36
X position	139	**Width**	67	**Height**	20
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	AWARIA!

Ellipse_1

Type	Ellipse	**Name**	Ellipse_1	**Y position**	73
X position	307	**Width**	133	**Height**	137
Layer	0 - Layer_0	**Background color**	222, 219, 222	**Border color**	24, 28, 49
Dynamizations\Appearance					
Tag - Cycle	naped ON -	**Data type**	Range	**Range**	0..0
Foreground color	24, 28, 49	**Background color**	255, 0, 0	**Flashing**	No
Range	1..1	**Foreground color**	24, 28, 49	**Background color**	0, 255, 0
Flashing	No				

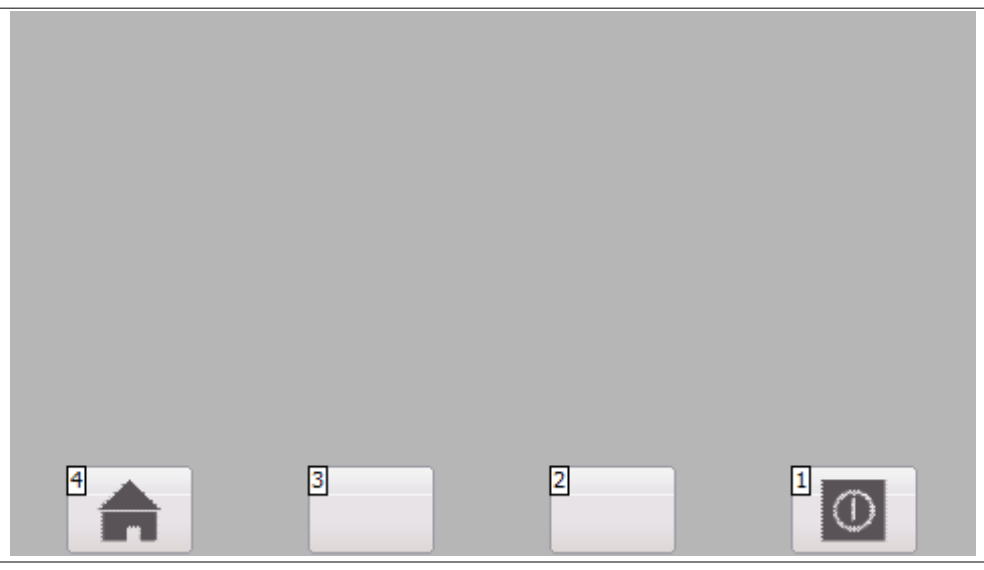
Text field_4

Type	Text field	**Name**	Text field_4	**Y position**	36
X position	331	**Width**	70	**Height**	20
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	Naped_ON
Dynamizations\Visibility					
Tag - Cycle	naped ON -	**Data type**	Range	**Start range**	1
End range	1	**Visibility**	Visible		

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Screen management / Templates

Template_1

Hardcopy of Template_1



Name	Template_1	**Active layer**	0

Template_Button

Type	Button	**Name**	Template_Button	**Y position**	227
X position	388	**Width**	63	**Height**	44
Mode	Graphic	**Text OFF**	ExitRuntime	**Text ON**	ExitRuntime

Dynamizations\Event

Event name	Release

Function list\StopRuntime

Mode	Runtime

Template_Button_1

Type	Button	**Name**	Template_Button_1	**Y position**	227
X position	268	**Width**	63	**Height**	44
Mode	Text	**Text OFF**		**Text ON**	

Template_Button_2

Type	Button	**Name**	Template_Button_2	**Y position**	227
X position	148	**Width**	63	**Height**	44
Mode	Text	**Text OFF**		**Text ON**	

Template_Button_3

Type	Button	**Name**	Template_Button_3	**Y position**	227
X position	28	**Width**	63	**Height**	44
Mode	Graphic	**Text OFF**	NavigateHome	**Text ON**	NavigateHome

Dynamizations\Event

Event name	Release

Function list\ActivateScreen

Screen name	Root screen	**Object number**	0

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Screen management

Global screen

Hardcopy of Global screen

Name	Global screen	Background color	181, 182, 181	Grid color	0, 0, 0

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI tags

Default tag table [4]

gotow

Name	gotow	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

start

Name	start	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

awaria

Name	awaria	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

naped ON

Name	naped ON	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

cwiczenie0 / HMI_1 [KTP400 Basic PN]

Connections

HMI_Connection_1

Name	HMI_Connection_1	**Communication driver**	SIMATIC S7 1200	**Comment**	

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI alarms

Discrete alarms

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI alarms

Analog alarms

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI alarms

Alarm groups

Alarm_group_1

Name	Alarm_group_1	**ID**	1

Alarm_group_10

Name	Alarm_group_10	**ID**	10

Alarm_group_11

Name	Alarm_group_11	**ID**	11

Alarm_group_12

Name	Alarm_group_12	**ID**	12

Alarm_group_13

Name	Alarm_group_13	**ID**	13

Alarm_group_14

Name	Alarm_group_14	**ID**	14

Alarm_group_15

Name	Alarm_group_15	**ID**	15

Alarm_group_16

Name	Alarm_group_16	**ID**	16

Alarm_group_2

Name	Alarm_group_2	**ID**	2

Alarm_group_3

Name	Alarm_group_3	**ID**	3

Alarm_group_4

Name	Alarm_group_4	**ID**	4

Alarm_group_5

Name	Alarm_group_5	**ID**	5

Alarm_group_6

Name	Alarm_group_6	**ID**	6

Alarm_group_7

Name	Alarm_group_7	**ID**	7

Alarm_group_8

Name	Alarm_group_8	**ID**	8

Alarm_group_9

Name	Alarm_group_9	**ID**	9

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI alarms

Alarm classes

Acknowledgement

Name	Acknowledgement	**Display name**	A	**ID**	33
Alarm log	<No log>				

Errors

Name	Errors	**Display name**	!	**ID**	1
Alarm log	<No log>				

No Acknowledgement

Name	No Acknowledgement	**Display name**	NA	**ID**	34
Alarm log	<No log>				

System

Name	System	**Display name**	$	**ID**	3
Alarm log	<No log>				

Warnings

Name	Warnings	**Display name**		**ID**	2
Alarm log	<No log>				

cwiczenie0 / HMI_1 [KTP400 Basic PN] / HMI alarms

System events

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN]

Recipes

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Historical data

Datalogs

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Historical data

AlarmLogs

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN]

Scheduled tasks

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Text and graphic lists

Text lists

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / Text and graphic lists

Graphic lists

This folder is empty.

cwiczenie0 / HMI_1 [KTP400 Basic PN] / User administration

User

Administrator

Name	Administrator	**Number**	1	**Automatic logoff**	Checked
Logoff time	5	**Groups**	Administrator group;		

cwiczenie0 / HMI_1 [KTP400 Basic PN] / User administration

Groups

Administrator group

Name	Administrator group	**Display name**	Administrator group	**Number**	1
Authorizations	User administration; Monitor; Operate;				

Users

Name	Users	**Display name**	Users	**Number**	2
Authorizations	Operate;				

cwiczenie0 / HMI_1 [KTP400 Basic PN] / User administration

Authorizations

Monitor

Name	Monitor	**Authorization**	Monitor	**Authorization number**	2

Operate

Name	Operate	**Authorization**	Operate	**Authorization number**	3

User administration

Name	User administration	**Authorization**	User administration	**Authorization number**	1

cwiczenie0 / Common data

Alarm classes

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

cwiczenie0 / Common data

Text lists

SYSTEM_AlarmServices_PriorityList			
Selection	Decimal	**ID**	0
Comment			

SYSTEM_AlarmServices_PriorityList		
Range from	**Range to**	**Entry**
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16

SYSTEM_AlarmServices_DisplayClassList			
Selection	Decimal	**ID**	0
Comment			

SYSTEM_AlarmServices_DisplayClassList		
Range from	**Range to**	**Entry**
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16

SYSTEM_AlarmServices_AcknowledgementGroupList			
Selection	Decimal	**ID**	0
Comment			

SYSTEM_AlarmServices_AcknowledgementGroupList		
Range from	**Range to**	**Entry**
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16

SYSTEM_AlarmServices_ProducerList			
Selection	Decimal	**ID**	0
Comment			

SYSTEM_AlarmServices_ProducerList		
Range from	**Range to**	**Entry**
0	0	User program
1	1	Report system errors
2	2	User program
3	3	User program
4	4	System diagnostics
5	5	Motion control
6	6	Security

Range from	Range to	Entry
7	7	SINUMERIK

SYSTEM_AlarmServices_TextNameList			
Selection	Decimal	**ID**	0
Comment			

SYSTEM_AlarmServices_TextNameList		
Range from	**Range to**	**Entry**
0	0	Info text
1	1	Alarm text
2	2	Additional text 1
3	3	Additional text 2
4	4	Additional text 3
5	5	Additional text 4
6	6	Additional text 5
7	7	Additional text 6
8	8	Additional text 7
9	9	Additional text 8
10	10	Additional text 9

cwiczenie0 / Common data

Logs

This folder is empty.

cwiczenie0 / Common data

Styles

This folder is empty.

cwiczenie0 / Languages & resources

Project languages

Languages
Reference language
English (United States)

Editing language
English (United States)

Other project languages
Empty

cwiczenie0 / Languages & resources / Project texts

Project texts

Project texts		
English (United States)	**Category**	**Reference**
	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\\AlarmClassData_IDisplayNaming_DisplayName
	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_1\Text OFF
	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\alarmclass name not set_1\AlarmClassData_IDisplayNaming_DisplayName
	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\\AlarmClassData_IDisplayNaming_DisplayName
	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_2\Text ON
	Other text category	cwiczenie0\Comment
	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_1\Text ON
	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_2\Text OFF
!	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\alarmclass name not set\AlarmClassData_IDisplayNaming_DisplayName
!!	Alarm text	alarmclass name not set_4\AlarmClassData_IDisplayNaming_DisplayName
"Main Program Sweep (Cycle)"	Multilingual text category	cwiczenie0\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\Main [OB1]\Comment
$	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\alarmclass name not set_2\AlarmClassData_IDisplayNaming_DisplayName
0	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\0\Entry
0	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\0\Entry
0	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\0\Entry
0	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Emergency\Text OFF
0	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Round_G\Text OFF
1	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Emergency\Text ON
1	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Round_G\Text ON
1	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\1\Entry
1	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\1\Entry
1	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\1\Entry
10	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\10\Entry
10	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\10\Entry
10	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\10\Entry
11	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\11\Entry
11	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\11\Entry
11	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\11\Entry
12	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\12\Entry
12	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\12\Entry
12	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\12\Entry
13	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\13\Entry
13	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\13\Entry
13	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\13\Entry
14	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\14\Entry
14	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\14\Entry
14	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\14\Entry
15	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\15\Entry
15	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\15\Entry
15	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\15\Entry
16	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\16\Entry
16	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\16\Entry
16	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\16\Entry
2	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\2\Entry
2	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\2\Entry
2	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\2\Entry
3	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\3\Entry
3	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\3\Entry
3	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\3\Entry
4	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\4\Entry
4	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\4\Entry
4	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\4\Entry
5	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\5\Entry
5	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\5\Entry
5	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\5\Entry
6	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\6\Entry
6	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\6\Entry
6	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\6\Entry
7	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\7\Entry
7	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\7\Entry
7	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\7\Entry
8	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\8\Entry
8	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\8\Entry
8	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\8\Entry
9	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_AcknowledgementGroupList\9\Entry
9	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_DisplayClassList\9\Entry
9	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_PriorityList\9\Entry
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Acknowledged"
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Acknowledged"
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Acknowledged"

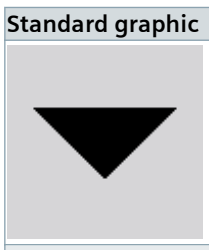
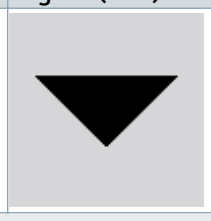
English (United States)	Category	Reference
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Acknowledged"
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Acknowledged"
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Acknowledged"
A	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Acknowledged"
A	Alarm class text	cwiczenie0\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
Additional text 1	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 1\Entry
Additional text 2	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 2\Entry
Additional text 3	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 3\Entry
Additional text 4	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 4\Entry
Additional text 5	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 5\Entry
Additional text 6	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 6\Entry
Additional text 7	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 7\Entry
Additional text 8	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 8\Entry
Additional text 9	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Additional text 9\Entry
Administrator group	HMI runtime	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Administrator group\Display name
Alarm text	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Alarm text\Entry
Authorization 'User administration' for managing users in the user view inrRuntime.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\User administration\Comment
AWARIA!	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_3\Text
CPU error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_ERR_MSG\Alarm text
CPU info: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_INFO_MSG\Alarm text
CPU internal: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_INTERN_MSG\Alarm text
CPU maintenance demanded: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_MD_MSG\Alarm text
CPU maintenance required: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_MR_MSG\Alarm text
CPU mode message: @1W%t#7W@ @5W%t#7W@	System alarm text	4\SDIAG_ALCAT_CPU_OST_MSG\Alarm text
Error: @1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_ESUB_ERR_MSG\Alarm text
Error: @1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_ECH_ERR_MSG\Alarm text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_RACK_MSG\Alarm text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_MODUL_MSG\Alarm text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_IOSYSTEM_MSG\Alarm text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_DEVICE_MSG\Alarm text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_SUBMODUL_MSG\Alarm text
Error: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_SUB_ERR_MSG\Alarm text
Error: @1W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_CH_ERR_MSG\Alarm text
ExitRuntime	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button\Text OFF
ExitRuntime	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button\Text ON
Gotów	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_1\Text
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Incoming"
I	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Incoming"
Info text	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_TextNameList\Info text\Entry
Info: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CONFIG_INFO\Alarm text
Info: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CONFIG_REPORT\Alarm text
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Incoming/Outgoing"
IO	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Incoming/Outgoing"
Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_ESUB_MD_MSG\Alarm text
Maintenance demanded: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_SUB_MD_MSG\Alarm text
Maintenance demanded:@1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_ECH_MD_MSG\Alarm text

English (United States)	Category	Reference
Maintenance demanded:@1W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_CH_MD_MSG\Alarm text
Maintenance required: @1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_ESUB_MR_MSG\Alarm text
Maintenance required: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_SUB_MR_MSG\Alarm text
Maintenance required:@1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_ECH_MR_MSG\Alarm text
Maintenance required:@1W%t#7W@ HW_ID= @6W%5u@, @8W%t#7W@ channel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_CH_MR_MSG\Alarm text
Monitor	HMI runtime	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Monitor\Name
'Monitor' authorization.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Monitor\Comment
Motion control	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\SMC\Entry
NA	Alarm class text	cwiczenie0\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
Naped_ON	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_4\Text
NavigateHome	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_3\Text ON
NavigateHome	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screen management\Templates\Template_1\Template_Button_3\Text OFF
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Outgoing"
O	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Outgoing"
Operate	HMI runtime	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Operate\Name
'Operate' authorization.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Operate\Comment
QGR	Alarm text	cwiczenie0\HMI_1 [KTP400 Basic PN]\Runtime settings\HmiAlarmSettingsData\Acknowledgment group text
Report system errors	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Rse\Entry
S7	Alarm text	alarmclass name not set_3\AlarmClassData_IDisplayNaming_DisplayName
Security	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Security\Entry
SINUMERIK	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Sinumerik\Entry
Start	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_2\Text
Switch	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Round_G\Caption text
Switch	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Pushbutton_Emergency\Caption text
System diagnostics	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\SysDiag\Entry
Temporary CPU error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_TMPERR_MSG\Alarm text
The 'Administrator' group is initially granted all rights.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Administrator group\Comment
The user 'Administrator' is assigned to the 'Administrator' group.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Administrator\Comment
The 'Users' group is initially granted 'Operating' rights.	HMI comment	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Users\Comment
User administration	HMI runtime	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\User administration\Name
User program	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Iecpl\Entry
User program	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Alarming\Entry
User program	Text List Text Category	cwiczenie0\SYSTEM_AlarmServices_ProducerList\Simotion\Entry
Users	HMI runtime	cwiczenie0\HMI_1 [KTP400 Basic PN]\User administration\Users\Display name
Welcome to HMI_1 (KTP400 Basic+ PN)!	HMI screen	cwiczenie0\HMI_1 [KTP400 Basic PN]\Screens\Root screen\HmiScreenItemData\Text

cwiczenie0 / Languages & resources

Project graphics

Down_Arrow

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

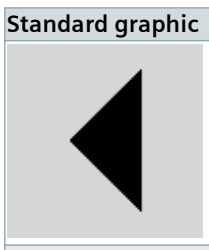
ExitRuntime_KTP400_Basic_PN_TR

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

Home

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

Left_Arrow

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

NavigateHome_KTP400_Basic_PN_TR

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

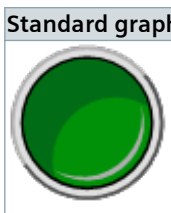
Pushbutton_Emergency_Off_256c

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked

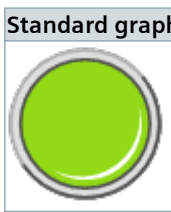
Pushbutton_Emergency_On_256c

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

Pushbutton_Round_G_Off_256c

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

Pushbutton_Round_G_On_256c

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

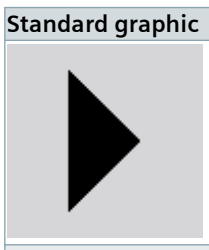
Pushbutton_Round_GN_Off_256c

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

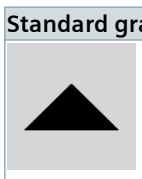
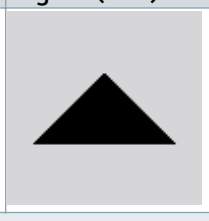
Pushbutton_Round_GN_On_256c

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

Right_Arrow

Standard graphic	English (USA)
	
▸ *Dithering mode*	
Same color	Same color
▸ *Smoothing*	
Unchecked	Unchecked

Up_Arrow

Standard graphic	English (USA)
	
Dithering mode	
Same color	Same color
Smoothing	
Unchecked	Unchecked