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Project2

Project					
Name:	Project2	Creation time:	3/26/2019 4:22:59 PM	Last change	3/26/2019 6:03:33 PM
Author:	admin	Last modified by:	admin	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	LAB_AA_5				
User name	LAB_AA_5\admin				
Installation path of the TIA Portal	C:\Program Files (x86)\Siemens\Automation\Portal V13				

Components		
Name	Version	Release
SIMATIC S7-PLCSIM (S7_PLCSIM_V13)	V13.0 + SP1 + Upd1	V13.00.01.01_01.75.00.01
Siemens Totally Integrated Automation Portal V13 - SIMATIC S7- PLCSIM V13.0 + SP1 + Upd1 (S7_PLCSIM_V13)	V13.0 + SP1 + Upd1	V13.00.01.01_01.75.00.01
Totally Integrated Automation Portal V13 - TIA Portal Single Setup- Package V13.0 + SP1 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
Siemens Totally Integrated Automation Portal V13 - HM All Editions Single SetupPackage V13.0 SP1 UPD9 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
Siemens Totally Integrated Automation Portal V13 - HM NoBasic Single SetupPackage V13.0 SP1 UPD9 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
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 SetupPackage V13.0 SP1 UPD9 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
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 + Upd9 (TIAP13)	V13.0 + SP1 + Upd9	V13.00.01.09_07.01.00.01
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 SetupPackage V13.0 SP1 UPD9 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
Siemens Totally Integrated Automation Portal V13 - WinCC Single SetupPackage V13.0 SP1 UPD9 (TIAP13)	V13.0 SP1 UPD9	V13.00.01.09_07.01.00.01
Automation Software Updater	13.0	V01.07.00.00_01.01.00.01
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	29.00.08.00_01.02.00.01
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 S7-PLCSIM	V13.0 SP1 Upd1	V13.00.01.01_01.75.00.01
SIMATIC STEP 7 Basic	V13.0 SP1 Upd9	V13.00.01.09_07.01.00.01
SIMATIC WinCC Basic	V13.0 SP1 Upd9	V13.00.01.09_07.01.00.01
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
Automation License Manager	V5.3 + SP2 + Upd2	05.03.02.02_01.01.00.01

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Project2

PLC_1 [CPU 1212C AC/DC/Rly]

_C_1 eneral\Project info	1				
ame	PLC_1	Author	admin	Comment	
ot eneral\Catalog info	rmation	Rack	0		
hort 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 Al2 on board; 4 high-speed counters (expandable with digital signal board) and 4 pulse outputs on board; signal board expands onboard 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
eneral\Identificatio	on & Maintenance				
lant designation dditional informa- on		Location identifier		Installation date	2019-03-26 16:23:17.062
ROFINET interface ame	[X1]\General PROFINET interface_1	Author	admin	Comment	
	[X1]\General\Project information	Addio	damm	comment	
ame	DI 8/DQ 6_1	Comment		Name	AI 2_1
omment		Name	DQ 4x24VDC_1	Comment	
ROFINET interface hort designation	[X1]\General\Catalog information DQ4 signal board (200 kHz)	Description	Signal board DQ4 x 24VDC / 200 kHz; plug-in terminal blocks	Article number	6ES7 222-1BD30-0XB0
irmware version	V1.0		ki iz, piag-iii terriiiiai biocks		
ROFINET interface ubnet:	[X1]\Ethernet addresses\Interface PN/IE_1	networked with			
ROFINET interface	[X1]\Ethernet addresses\IP protoco			W- •	
	Set IP address in the project	IP address:	192.168.0.1	Subnet mask:	255.255.255.0
se router ROFINET interface	False [X1]\Ethernet addresses\PROFINET				
ROFINET device	False	Generate PROFINET	True	PROFINET device	plc_1
ame is set directly		device name auto-		name	
t the device onverted name:	plcxb1d0ed	matically Device number:	0		
	[X1]\Time synchronization	Device number.			
nable time syn- nronization via NTF	Enable time synchronization via		IP addresses	Server 1	0.0.0.0
erver erver 2	0.0.0.0	Server 3	0.0.0.0	Server 4	0.0.0.0
pdate interval	10sec				
	[X1]\Digital inputs\Channel0	In much file and	C A mailling a	Funchia mulas antala	0
hannel address ROFINET interface	0.0 X1]\Digital inputs\Channel0\	Input filters	6.4 millisec	Enable pulse catch	U
nable rising edge		RidPrefixRisingEdg- eEvent	49152	Event name:	0
ardware interrupt:	0	Rising edge0	Rising edge0		
	[X1]\Digital inputs\Channel0\			 	-
nable falling edge etection ardware interrupt:		RidPrefixFallingEdg- eEvent Falling edge0	Falling edge0	Event name:	0
	[X1]\Digital inputs\Channel1	l ailing eugeo	l alling edgeo		
hannel address	10.1	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface nable rising edge	[X1]\Digital inputs\Channel1\	RidPrefixRisingEdg-	49153	Event name:	0
etection	U	eEvent	CC ET	Event name:	U
ardware interrupt:		Rising edge1	Rising edge1		·
	[X1]\Digital inputs\Channel1\	nido£ = = .	40201	F	0
nable falling edge etection	U	RidPrefixFallingEdg- eEvent	+928 I	Event name:	0
ardware interrupt:		Falling edge1	Falling edge1		<u> </u>
	[X1]\Digital inputs\Channel2	•	4.6 90	-	
hannel address	l0.2 [X1]\Digital inputs\Channel2\	Input filters	1.6 millisec	Enable pulse catch	U
nable rising edge		RidPrefixRisingEdg-	49154	Event name:	0
etection		eEvent			
ardware interrupt:		Rising edge2	Rising edge2		
ROFINET interface nable falling edge	[X1]\Digital inputs\Channel2\	RidPrefixFallingEdg-	49282	Event name:	0
raining euge		eEvent			
etection		Falling edge2	Falling edge2		
ardware interrupt:	[X1]\Digital inputs\Channel3	Input filters	6.4 million -	Fueble with the	0
ardware interrupt: ROFINET interface	10. 3	IIInnut tiltore	6.4 millisec	Enable pulse catch	U
ardware interrupt: ROFINET interface hannel address ROFINET interface	10.3 X1]\Digital inputs\Channel3\		40455	 -	
hannel address	[X1]\Digital inputs\Channel3\ 0	RidPrefixRisingEdg- eEvent Rising edge3	49155 Rising edge3	Event name:	0

Automation Porta	d al				
ROFINET interface	[X1]\Digital inputs\Channel3\				
nable falling edge etection		RidPrefixFallingEdg- eEvent	49283	Event name:	0
ardware interrupt:		Falling edge3	Falling edge3		1
ROFINET interface hannel address	[X1]\Digital inputs\Channel4	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface	[X1]\Digital inputs\Channel4\				
nable rising edge etection	0	RidPrefixRisingEdg- eEvent	49156	Event name:	0
ardware interrupt:		Rising edge4	Rising edge4		
nable falling edge	[X1]\Digital inputs\Channel4\ 0	RidPrefixFallingEdg-	49284	Event name:	0
etection ardware interrupt:	0	eEvent Falling edge4	Falling edge4		
ROFINET interface	[X1]\Digital inputs\Channel5				
hannel address ROFINET interface	10.5 [X1]\Digital inputs\Channel5\	Input filters	6.4 millisec	Enable pulse catch	0
nable rising edge		J 3 3	49157	Event name:	0
etection ardware interrupt:	0	eEvent Rising edge5	Rising edge5		
ROFINET interface	[X1]\Digital inputs\Channel5\			-	
nable falling edge etection	0	RidPrefixFallingEdg- eEvent	49285	Event name:	0
ardware interrupt:	0 [X1]\Digital inputs\Channel6	Falling edge5	Falling edge5		
nannel address	10.6	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface	[X1]\Digital inputs\Channel6\	RidPrefixRisingEdg-	49158	Event name:	0
etection		eEvent		счені пате:	U
ardware interrupt: ROFINET interface	0 [X1]\Digital inputs\Channel6\	Rising edge6	Rising edge6		
nable falling edge		RidPrefixFallingEdg-	49286	Event name:	0
etection ardware interrupt:	0	eEvent Falling edge6	Falling edge6		
ROFINET interface	[X1]\Digital inputs\Channel7			e	
hannel address ROFINET interface	10.7 [X1]\Digital inputs\Channel7\	Input filters	6.4 millisec	Enable pulse catch	U
nable rising edge etection		RidPrefixRisingEdg-	49159	Event name:	0
etection ardware interrupt:	0	eEvent Rising edge7	Rising edge7		
	[X1]\Digital inputs\Channel7\	DidDuctivEallingEdu	40207	F	0
nable falling edge	U	RidPrefixFallingEdg-	49287	Event name:	0
etection		eEvent			
ardware interrupt:		Falling edge7	Falling edge7		
ardware interrupt: ROFINET interface Itegration time	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms)	Falling edge7	Falling edge7		
ardware interrupt: ROFINET interface Itegration time ROFINET interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0	Falling edge7		Voltago rango	0 10 V
ardware interrupt: ROFINET interface Itegration time ROFINET interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms)	Falling edge7		Voltage range Enable overflow di-	010 V 1
ardware interrupt: ROFINET interface Itegration time ROFINET interface hannel address moothing	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles)	Falling edge7			
ardware interrupt: ROFINET interface Itegration time ROFINET interface hannel address moothing ROFINET interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66	Falling edge7		Enable overflow diagnostics Voltage range	010 V
ardware interrupt: ROFINET interface Itegration time ROFINET interface hannel address moothing ROFINET interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1	Falling edge7 on Measurement type	Voltage	Enable overflow diagnostics Voltage range	1
ardware interrupt: ROFINET interface Itegration time ROFINET interface hannel address moothing ROFINET interface hannel address moothing ROFINET interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs	Falling edge7 on Measurement type Measurement type	Voltage	Enable overflow diagnostics Voltage range Enable overflow di-	010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Hannel address Interface Hannel interface Hannel interface Hannel interface Hannel interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles)	Falling edge7 on Measurement type	Voltage	Enable overflow diagnostics Voltage range Enable overflow di-	010 V
ROFINET interface thannel address moothing ROFINET interface hannel address moothing ROFINET interface hannel address moothing ROFINET interface eaction to CPU TOP ROFINET interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0	Measurement type Measurement type Reaction to CPU STOP	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics	1 010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value	Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change	Voltage	Enable overflow diagnostics Voltage range Enable overflow di-	010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0	Measurement type Measurement type Reaction to CPU STOP	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics	1 010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0	Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics	1 010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0	Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics	1 010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics	1 010 V
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 [X1]\Digital outputs\Channel1	Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address	1 010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1	Falling edge7 on Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address	1 010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1	Falling edge7 on Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address	1 010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface hannel interface	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 [X1]\Digital outputs\Channel1	Falling edge7 on Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change	Voltage Voltage Use substitute value	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address	1 010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1	Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address	010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address Interface Interface hannel address Interface Inte	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address	010 V 1 Q4.0
ardware interrupt: ROFINET interface ACFINET interface Annel address ACFINET interface Annel address ACFINET interface Annel address ACFINET interface Annel address ACFINET interface ACFINET I	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel1 Q0.1	Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address	010 V 1 Q4.0
ROFINET interface the annel address moothing	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1
ROFINET interface the annel address moothing	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 W64 Weak (4 cycles) [X1]\Analog inputs\Channel1 W66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel1 Q0.2	Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address	010 V 1 Q4.0
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel2 Q0.3	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1
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ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 IW64 Weak (4 cycles) [X1]\Analog inputs\Channel1 IW66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3 Q0.3	Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1
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ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 W64 Weak (4 cycles) [X1]\Analog inputs\Channel1 W66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 Q0.0 Q0.1 Q0.1 Q0.1 Q0.2 Q0.2 Q0.2 Q0.3 Q0.3 Q0.3	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 W64 Weak (4 cycles) [X1]\Analog inputs\Channel1 W66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3 Q0.3 0 [X1]\Digital outputs\Channel4 Q0.4 [X1]\Digital outputs\Channel4	Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1
ardware interrupt: ROFINET interface Integration time ROFINET interface Interface hannel address	[X1]\Analog inputs\Noise reduction 50 Hz (20 ms) [X1]\Analog inputs\Channel0 W64 Weak (4 cycles) [X1]\Analog inputs\Channel1 W66 Weak (4 cycles) [X1]\Digital outputs Use substitute value [X1]\Digital outputs\Channel0 Q0.0 Q0.0 [X1]\Digital outputs\Channel1 Q0.1 Q0.2 Q0.2 Q0.2 Q0.3 Q0.3 Q0.4	Falling edge7 Measurement type Measurement type Reaction to CPU STOP Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	Voltage Voltage Use substitute value 0 0	Enable overflow diagnostics Voltage range Enable overflow diagnostics Channel address Channel address Channel address	1

Totally Integrated Automation Porta					
PROFINET interface [X1]\Operating mode				
	True False	IO system		Device number	0
PROFINET interface [X1]\I/O addresses\Input addresses		la la		
	0	End address	0	Organization block	0
_	X1]\I/O addresses\Output addresse 0	es End address	0	Organization block	0
Process image	0		O	Organization block	U
_	X1]\Advanced options\Interface op True		False	Use IEC V2.2 LLDP	False
placement without exchangeable medi-		of device names of all assigned IO devi-		mode	
um Send keepalives for	200	ces			
connections					
	X1]\Advanced options\Real time se 1.000ms	ettings\IO communica	tion		
	X1]\Advanced options\Real time se 0.000ms	ettings\Real time option	ons		
width for cyclic IO	o.oooms				
data: PROFINET interface [X1]\Advanced options\Port [X1 P1]	 \General			
	Port_1 X1]\Advanced options\Port [X1 P1]	Author	admin	Comment	
Local port:	PLC_1\PROFINET interface_1	Medium:	Copper	Cable name:	
	[X1]\Port_1 [X1 P1]				
		0			
			ş		
PPOEINET interface [X1]\Advanced options\Port [X1 P1]	NPort interconnection	\Partner pert		
	Monitoring of partner port is not	Alternative partners		Partner port:	CSM 1277_1\SCALANCE interface
	possible Copper	Cable length:			[X1]\Port_1 [X1 P1]
PROFINET interface [Activate this port for	X1]\Advanced options\Port [X1 P1]	\Port options\Activate			
use					
Transmission rate /	X1]\Advanced options\Port [X1 P1] Automatic	Monitor	False	Enable autonegotia	- True
duplex: PROFINET interface [X1]\Advanced options\Port [X1 P1]	 \Port options\Bounda	ries	tion	
End of detection of accessible devices		End of topology dis- covery		End of the sync do-	False
PROFINET interface [X1]\Advanced options\Port [X1 P1]		Hardware identifier	III	
Hardware identifier PROFINET interface [65 X1]\Web server access				
Enable Web server using this interface	False	The Web server must also be activa-			
asing this interface		ted in the properties of the PLC.			
_	X1]\Hardware identifier\Hardware	identifier			
Hardware identifier High speed counters	257 (HSC)\HSC1\General\Enable	Hardware identifier	64		
	0				
High speed counters	(HSC)\HSC1\General\Project inform	11			
	HSC_1 (HSC)\HSC1\Function	Comment			
J	Count User program (internal direction	Operating phase Initial counting di-	Single phase Count up		
is specified by	control)	rection			
ing period	-/-sec				
High speed counters Initial counter value	(HSC)\HSC1\Reset to initial values\ 0	Reset values Initial reference val-	0		
High speed counters	(HSC)\HSC1\Reset to initial values\	ue Reset options			
Use external reset		Reset signal level	-1-		
	(HSC)\HSC1\Event configuration\				
Generate interrupt for counter value	0	RidPrefixCvEqualsPv	49152	Event name:	0
equals reference value event.					
Hardware interrupt:	0	Counter value equal to reference value0	Counter value equal to reference	ValueNull	0
	0	EventPriority	6		
High speed counters Generate interrupt	(HSC)\HSC1\Event configuration\ 0	RidPrefixExternalRe-	49408	Event name:	0
for external reset		set			
Hardware interrupt:		External reset0	External reset0	ValueNull	0
	0 (HSC)\HSC1\Event configuration\	EventPriority	6		
Generate interrupt for change of direc-		RidPrefixDirection- Change	49280	Event name:	0
tion event.					
				 ,	

Adapter name that user centrol should user for the oddress serior of should user of the oddress serior of should user of the oddress serior oddress should user of the oddress serior oddress should user of the oddress serior oddress should user oddress should should user oddress should us	ardware interrupt:	0	Change of direc-	Change of direction0	ValueNull	0
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Adapter name the lact the Output Spread Adapter name the use for the Edupation of the Output Spread Adapter name the lact the			lucci io ci i		n: .: .	
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Les control should be a for the Gulput (1965) MSC (1965	eset input		user control should use for the address	HscChannel.AddressString	user control should use for the Spee-	HscChannel.SpeedAndSourceDis play
HSCInput_Status Adapter name the put was for the address string HacChannel AddressString Adapter name the put was for the address string HacChannel AddressString Adapter name the put was for the address string HacChannel AddressString Adapter name the put was for the address string HacChannel AddressString Adapter name the put was for the speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was for the Speed AndSourceDisplay HacChannel AddressString Adapter name the was control should use for the Speed AndSourceDisplay HacChannel AddressStr	Adapter name the user control should use for the Output source	·				
Adapter name the user control should be recorded in the address string of the address string s		(HSC)\HSC1\Hardware inputs\	HSCInnut1 Status	1	Clock generator in-	
user control should use for the address set round a few set control should use for the Speet AnniSourceDisplay with a few set control should use for the Output output output of the Output out	·				put	
use for the Output conce (ight speed counters (HSC)HSCVHardware inputs)	Adapter name the		user control should use for the address	HscChannel.AddressString	user control should use for the Spee-	
leset input	iser control should ise for the Output Source					
Adapter name the user control should use for the Output Source server of the Output Source (the Output Sourc			HSCInput2 Status	1	Clock generator in-	
user control should user control should user for the Speed AndSourceBisplay of Speed Counters (HSC)HSC1WO addressesImput addresses	•				put	
ser control should see for the Output Source See See See See See See See See See S	·	HscChannel OutputSource	user control should use for the address	HscChannel.AddressString	user control should use for the Spee-	HscChannel.SpeedAndSourceDisplay
Start address 1000 End address 1003 Organization block 0 16th speed counter: (HSC)HSC1Nadvarie identifierHardware identifier 299 16th speed counter: (HSC)HSC2(GeneralBroject information Name	user control should use for the Output Source	·				
Process image 0	High speed counters Start address	,		1003	Organization block	0
Ferror F	Process image	0		1		'
High speed counter (HSC)HSC2(General)Project information	•		lardware identifier			
gigh speed counters (HSC)HSC2VExent (information Instal counter your period in the program (internal direction control) Instal counter your period in this peed counters (HSC)HSC2VExest to initial values Reset values Instal counter your period Instal	ligh speed counters					
igh speed counters (HSC)HSC2 CeneralProject information		1				
Igh speed counting Frequency Operating phase Initial counting direction Specified by Octoor Operating phase Initial counting direction Operating phase Ope	•	-				
Operating phase Counting Grequency Operating phase Count up		_	Comment			
s specified by requency many and specified by requested by a specified by requency many and specified by requency many and specified by requency many and specified by requested by a specified by a spec	-	1	Operating phase	Single phase		
ing period digh speed counters (HSC)HSC2\Reset to initial values\Reset values initial counter value digh speed counters (HSC)HSC2\Reset to initial values\Reset options Reset signal level igh speed counters (HSC)HSC2\Reset to initial values\Reset options Reset signal level igh speed counters (HSC)HSC2\Reset to initial values\Reset options Reset signal level igh speed counters (HSC)HSC2\Reset to initial values\Reset options Reset signal level igh speed counters (HSC)HSC2\Reset to initial values\Reset options RidPrefixCVEqualsPv 49152 Event name: O Counter value equal counter value equal to reference value option value to reference value option value equal to reference value option value option value equal to reference value option option value option value option option value option option value option value option option value option option value option option value option value option opti				Count up		
High speed counters (HSC)HSC2 Reset to initial values Reset values	requency measur-	1.0sec				
ue ue		(HSC)\HSC2\Reset to initial values	:\Reset values			
Sign external reset 0 Reset signal level	nitial counter value	0		0		
right speed counters (HSC)\HSC2\Event configuration\ acreate interrupt or counter value equal to reference value equal reference value event. lardware interrupt: Audition Counter value equal Counter value equal to reference value ValueNull Counter value equal Counter value equal ValueNull Counter value equal Counter value Counter value Counter value Counter value Counter value	High speed counters	(HSC)\HSC2\Reset to initial values				
Tigh speed counters (HSC)\HSC2\Event configuration\ Tigh speed counters (HSC)\HSC2\Event configuration\ Tigh speed counters (HSC)\HSC2\Event configuration\ Tigh speed counter value equal counter value equal to reference value value equal to reference value value (TSC)\HSC2\Event configuration\ Tigh speed counters (HSC)\HSC2\Event configuration\ Tigh speed counters (HSC)\HSC2\Hardware inputs\ Tigh speed counters (HSC)\Hardware inputs\ Tigh speed counter	Jse external reset			-I-		
For counter value equals reference value series reference value event. Counter value equal Counter value Counter Co		(HSC)\HSC2\Event configuration\				
to reference value	Generate interrupt for counter value equals reference			49152	Event name:	0
RidPrefixExternalRe-set set set set set set set set set set	/alueNull	0	to reference value1	value1	ValueNull	0
Hardware interrupt: 0 External reset1 External reset1 ValueNull 0 EventPriority 6 EventPriority 6 EventPriority 6 RidPrefixDirection-Change of direction event. Hardware interrupt: 0 Change of direction event. Hardware interrupt: 0 Change of direction event. Hardware interrupt: 0 EventPriority 6 Change of direction Change of direction 1 Foot (AlueNull Oracle September 1) EventPriority 6 Event name: Oracle September 1) Change of direction 1 Foot (AlueNull Oracle September 1) EventPriority 6 Event name: Oracle September 1) Change of direction 1 EventPriority 6 Event name: Oracle September 2) Change of direction 1 EventPriority 6 Event name: Oracle September 3 Adapter name the user control should use for the address string Event name: Oracle September 3 Adapter name the user control should use for the speed AndSourceDisplay Event name: Oracle September 3 Event	Generate interrupt for external reset			49408	Event name:	0
RidPrefixDirection-Change of direction event. Identify a control should are fined interrupt of the change of direction event. Identify a control should are fined interrupt of the change of direction event. Identify a control should are fined interrupt: Identify a control should are for the Speed and Source Display Identify a control should are for the Speed And Source Display Identify a co	lardware interrupt:				ValueNull	0
RidPrefixDirection-Change or change of direction event. Hardware interrupt: O Change of direction1 Change		-	EventPriority	6		
Hardware interrupt: 0 Change of direction1 ValueNull 0 EventPriority 6 High speed counters (HSC)\HSC2\Hardware inputs\ Clock generator input Reset input Adapter name the user control should use for the address string HscChannel.OutputSource HSCInput0_Status 1 Direction input HscChannel.AddressString Adapter name the user control should use for the SpeedAndSourceDisplay HscChannel.OutputSource	Generate interrupt or change of direc-			49280	Event name:	0
High speed counters (HSC)\HSC2\Hardware inputs\ Clock generator in- but Adapter name the user control should use for the address string HSCInput0_Status 1 Direction input Adapter name the user control should use for the Spee- dAndSourceDisplay HscChannel.OutputSource HscChannel.OutputSource	·		tion1	_	ValueNull	0
Clock generator in- but Adapter name the user control should use for the address string HSCInput0_Status 1 Direction input Adapter name the user control should use for the address string HscChannel.OutputSource HSCChannel.OutputSource Direction input Adapter name the user control should use for the address string HscChannel.OutputSource		1-	EventPriority	6		
Adapter name the user control should use for the address string HscChannel.AddressString Adapter name the user control should use for the address string HscChannel.OutputSource HscChannel.AddressString Adapter name the user control should use for the SpeedAndSourceDisplay HscChannel.OutputSource			HSCInput0_Status	1	Direction input	
ser control should	_		user control should use for the address	HscChannel.AddressString	user control should use for the Spee-	HscChannel.SpeedAndSourceDis play
Source (1997)	out		sumg			
High speed counters (HSC)\HSC2\Hardware inputs\ Direction input HSCInput1_Status 1 Clock generator in- %10.2	Adapter name the user control should use for the Output Gource	·	Sumg			

Reset input		Adapter name the	HscChannel.AddressString	Adapter name the	HscChannel.SpeedAndSourceDis
·		user control should use for the address string	, and the second	user control should use for the Spee- dAndSourceDisplay	play
dapter name the ser control should se for the Output ource	HscChannel.OutputSource				
	(HSC)\HSC2\Hardware inputs\	USSI Status	4	Clark managet and in	0/10/2
eset input		HSCInput2_Status	1	Clock generator in- put	%10.2
Direction input		Adapter name the user control should use for the address string	HscChannel. Address String	Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel. Speed And Source Display
dapter name the ser control should se for the Output ource	HscChannel.OutputSource				
ligh speed counters start address Process image	(HSC)\HSC2\I/O addresses\Input ad 1004 0	ddresses End address	1007	Organization block	0
ligh speed counters lardware identifier	(HSC)\HSC2\Hardware identifier\H 260 (HSC)\HSC3\General\Enable	ardware identifier			
nable this high peed counter	0				
ligh speed counters lame	(HSC)\HSC3\General\Project information HSC_3	nation Comment			
	(HSC)\HSC3\Function	Comment			
Type of counting Counting direction s specified by Frequency measur-	Count User program (internal direction control) -/-sec	Operating phase Initial counting di- rection	Single phase Count up		
ng period High speed counters	(HSC)\HSC3\Reset to initial values	 Reset values			
nitial counter value		Initial reference val-	0		
ligh speed counters	(HSC)\HSC3\Reset to initial values	ue Reset ontions			
Jse external reset nput	0		-1-		
iign speed counters Senerate interrupt	(HSC)\HSC3\Event configuration\ 0	RidPrefixCvEqualsPv	49152	Event name:	0
or counter value quals reference value event.					
Hardware interrupt:	0	Counter value equal to reference value2 EventPriority	Counter value equal to reference value2	ValueNull	0
	(HSC)\HSC3\Event configuration\				
Generate interrupt or external reset event.		RidPrefixExternalRe- set		Event name:	0
Hardware interrupt: /alueNull	0	External reset2	External reset2	ValueNull	0
	(HSC)\HSC3\Event configuration\	EventPriority	6		
Generate interrupt or change of direc- ion event.		RidPrefixDirection- Change	49280	Event name:	0
lardware interrupt:	0	Change of direc-	Change of direction2	ValueNull	0
/alueNull	0	tion2 EventPriority	6	_	
ligh speed counters	(HSC)\HSC3\Hardware inputs\				
Clock generator in- out		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.SpeedAndSourceDis play
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
ligh speed counters	(HSC)\HSC3\Hardware inputs\	lluga:	Ta	llar :	
Direction input		HSCInput1_Status	1	Clock generator in- put	
Reset input		Adapter name the user control should use for the address string	HscChannel. Address String	Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Gource	HscChannel.OutputSource				
	(HSC)\HSC3\Hardware inputs\		I.		
Reset input		HSCInput2_Status	1	Clock generator in- put	
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	HscChannel.OutputSource			.,	

					
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Himb and all accompany	(UCC)UCC2U(O = 44 = = 51 = 1 = 4	l.du			
Start address	(HSC)\HSC3\I/O addresses\Input ad	End address	1011	Organization block	0
Process image	0	Ellu audress	1011	Organization block	O
	(HSC)\HSC3\Hardware identifier\H	ardware identifier			
Hardware identifier	261				
	(HSC)\HSC4\General\Enable				
Enable this high speed counter	0				
•	 	nation			
	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 di- rection	Count up		
	-/-sec	rection			
ing period					
	(HSC)\HSC4\Reset to initial values\		1-		
Initial counter value	0	Initial reference val- ue	0		
High speed counters	(HSC)\HSC4\Reset to initial values\	1			
Use external reset			-1-		
input					
High speed counters Generate interrupt	(HSC)\HSC4\Event configuration\	RidPrefixCvEqualsPv	40152	Event name:	0
for counter value	U	RidPrelixCVEquaisPV	49152	Event name:	
equals reference					
value event.	0	Countary	Countervalue	ValuaNii	
Hardware interrupt:	U	to reference value3	Counter value equal to reference value3	ValueNull	0
ValueNull	0	EventPriority	6		
	(HSC)\HSC4\Event configuration\			"	
Generate interrupt for external reset	0	RidPrefixExternalRe- set	49408	Event name:	0
event.		Sec			
Hardware interrupt:	0	External reset3	External reset3	ValueNull	0
ValueNull	0	EventPriority	6		
High speed counters Generate interrupt	(HSC)\HSC4\Event configuration\	RidPrefixDirection-	49280	Event name:	0
for change of direc-	U	Change	49200	Event name.	
tion event.					
Hardware interrupt:	0	Change of direc- tion3	Change of direction3	ValueNull	0
ValueNull	0	EventPriority	6		
High speed counters	(HSC)\HSC4\Hardware inputs\				
- J		HSCInput0_Status	1	Direction input	
put Reset input		Adapter name the	HscChannel.AddressString	Adapter name the	HscChannel.SpeedAndSourceDis-
reset iliput		user control should	nscendiniei.Addressstring	user control should	play
		use for the address		use for the Spee-	
Adapter name the	HscChannel.OutputSource	string		dAndSourceDisplay	
user control should	nscenamei.Outputsource				
use for the Output					
Source High speed counters	(HSC)\HSC4\Hardware inputs\				
Direction input		HSCInput1_Status	1	Clock generator in-	
•				put	
Reset input		Adapter name the user control should	HscChannel.AddressString	Adapter name the user control should	HscChannel.SpeedAndSourceDis-
		use for the address		use for the Spee-	play
		string		dAndSourceDisplay	
Adapter name the	HscChannel.OutputSource				
user control should use for the Output					
Source					
	(HSC)\HSC4\Hardware inputs\		I.		
Reset input		HSCInput2_Status	1	Clock generator in- put	
Direction input		Adapter name the	HscChannel.AddressString	Adapter name the	HscChannel.SpeedAndSourceDis-
•		user control should	9	user control should	play
		use for the address string		use for the Spee- dAndSourceDisplay	
Adapter name the	HscChannel.OutputSource	Junig		ur triasource Bispiay	
user control should	·				
use for the Output Source					
	(HSC)\HSC4\I/O addresses\Input ad	dresses			
Start address	1012	End address	1015	Organization block	0
Process image	0				
	(HSC)\HSC4\Hardware identifier\H	ardware identifier			
Hardware identifier High speed counters	262 				
Enable this high	0				
speed counter					
	(HSC)\HSC5\General\Project inform				
	HSC_5 (HSC)\HSC5\Function	Comment			
Type of counting	Count	Operating phase	Single phase		
Counting direction	User program (internal direction	Initial counting di-	Count up		
is specified by	control)	rection			
Frequency measur- ing period	-/-sec				
9 001.104	I	I			

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High speed counters Initial counter value			Reset values Initial reference val- ue	0		
Use external reset input	0	\HSC5\Reset to initial values\f	-	- -		
High speed counters Generate interrupt for counter value equals reference value event.	_	\HSC5\Event configuration\	RidPrefixCvEqualsPv	49152	Event name:	0
Hardware interrupt:	0		to reference value4	Counter value equal to reference value4	ValueNull	0
High speed counters Generate interrupt		\HSC5\Event configuration\	RidPrefixExternalRe-	40409	Event name:	0
for external reset	U		set	49406	Event name.	U
event. Hardware interrupt:	0		External reset4	External reset4	ValueNull	0
ValueNull	0		EventPriority	6		
Generate interrupt		\HSC5\Event configuration\	RidPrefixDirection-	49280	Event name:	0
for change of direction event.			Change			
Hardware interrupt:	0		Change of direction4 EventPriority	Change of direction4	ValueNull	0
High speed counters	(HSC)	\HSC5\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 SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscCh	nannel.OutputSource				
	(HSC)	\HSC5\Hardware inputs\	UCCIonetta Chatus	4		
Direction input			HSCInput1_Status		Clock generator in- put	
Reset input			Adapter name the user control should use for the address string	HscChannel. Address String	Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	HscCh	nannel.OutputSource				
	(HSC)	\HSC5\Hardware inputs\	user 12 st 1			
Reset input				1	Clock generator in- put	
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.SpeedAndSourceDis- play
user control should use for the Output Source		nannel.OutputSource				
	(HSC)	\HSC5\I/O addresses\Input ad		1019	Organization block	0
Process image	0				J	
High speed counters Hardware identifier		\HSC5\Hardware identifier\Ha	irdware identifier			
High speed counters	(HSC)	\HSC6\General\Enable				
speed counter	0					
	(HSC)	\HSC6\General\Project inform	ation Comment			
High speed counters	(HSC)	\HSC6\Function				
71	Count User p		Operating phase Initial counting di-	Single phase Count up		
is specified by	contro	•	rection			
Frequency measur- ing period	-/-sec					
High speed counters Initial counter value			Reset values Initial reference val- ue	0		
High speed counters Use external reset		\HSC6\Reset to initial values\A	•	-J-		
input			neset signal level	,		
High speed counters Generate interrupt		\HSC6\Event configuration\	RidPrefixCvEqualsPv	49152	Event name:	0
for counter value						
equals reference value event.						
Hardware interrupt:	0		Counter value equal to reference value5	Counter value equal to reference value5	ValueNull	0
	0		EventPriority	6		
High speed counters Generate interrupt		\HSC6\Event configuration\	RidPrefixExternalRe-	49408	Event name:	0
for external reset event.			set		Event name:	
erenti	<u> </u>				JI	

Hardware interrupt:	: 0	External reset5	External reset5	ValueNull	0
ValueNull	0	EventPriority	6	valuelluli	U
	s (HSC)\HSC6\Event configuration		40200		
Generate interrupt or change of direc-		RidPrefixDirection- Change	49280	Event name:	0
ion event.					
Hardware interrupt:	0	Change of direc- tion5	Change of direction5	ValueNull	0
ValueNull	0	EventPriority	6		
	s (HSC)\HSC6\Hardware inputs\				
Clock generator in- out		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.SpeedAndSourceDiplay
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
High speed counter	s (HSC)\HSC6\Hardware inputs\				
Direction input		HSCInput1_Status	1	Clock generator in-	
Reset input		Adapter name the user control should use for the address string	HscChannel.AddressString	put Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDi play
Adapter name the user control should use for the Output	HscChannel.OutputSource				
Source High speed counter	s (HSC)\HSC6\Hardware inputs\				
Reset input		HSCInput2_Status	1	Clock generator in-	
Direction input		Adapter name the user control should use for the address string	HscChannel.AddressString	put Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDi play
Adapter name the user control should use for the Output Source	HscChannel.OutputSource	, y		,	
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Start address Process image High speed counter Hardware identifier Pulse generators (P Enable this pulse	1020 0 s (HSC)\HSC6\Hardware identifie	End address	1023	Organization block	0
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Startup							
ON	Warm restart - mode before POWER OFF	Comparison preset to actual configura- tion	Startu	o CPU even if mismatch	Configuration time for central and dis- tributed I/O	60000m	15
OBs should be inter- ruptible Cycle	1						
Cycle monitoring time	150ms				Enable minimum cy- cle time for cyclic OBs	0	
Minimum cycle time Communication load Cycle load due to	1						
communication							
	emory\System memory bits		4		e		
system memory byte	0	Address of system memory byte (MBx)	1		First cycle		
Diagnostic status		Always 1 (high)			Always 0 (low)		
changed System and clock me	emory\Clock memory bits						
	0	Address of clock	0		10 Hz clock		
clock memory byte		memory byte (MBx)	-				
5 Hz clock		2.5 Hz clock			2 Hz clock		
1.25 Hz clock 0.5 Hz clock		1 Hz clock			0.625 Hz clock		
Web server\General							
Activate Web server	False	Permit access only	True				
on all modules of this device		with HTTPS					
Web server\Automat	ic update						
	True	Update interval	Os				
update							
Web server\User inte Assign project langu				User interface languages			
English (United States				German			
English (United States	•			English			
English (United States				French			
English (United States English (United States				Spanish Italian			
English (United States							
English (Officed States	9)			Chinese (simplified)			
Web server\User mai				·			
Web server\User man				User rights			
Web server\User man User name Everybody	nagement			·			
Web server\User man	nagement	Default HTML page		·	Web DB number	F	ragment DB number
Web server\User man User name Everybody Web server\User defi Application name	ined web pages HTML source path	Default HTML page index.htm		User rights Files with dynamic content	Web DB number 333		ragment DB number 34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overview	ined web pages HTML source path	index.htm		User rights Files with dynamic content	333	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overview Device	ined web pages HTML source path	index.htm Interface		User rights Files with dynamic content	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1	ined web pages HTML source path v of interfaces	index.htm		User rights Files with dynamic content	333	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overview Device	nagement ined web pages HTML source path v of interfaces	index.htm Interface		User rights Files with dynamic content	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langual Assign project langual English (United States	nagement ined web pages HTML source path v of interfaces ages age	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States	ined web pages HTML source path v of interfaces ages age s)	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German English	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langual Assign project langual English (United States	ined web pages HTML source path v of interfaces ages age s) s)	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States)	nagement ined web pages HTML source path v of interfaces ages age s) s) s)	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States)	nagement Ined web pages HTML source path v of interfaces ages age si si si si si	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States	nagement Ined web pages HTML source path v of interfaces ages age si si si si si	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langu Assign project langu English (United States English (United States) Time of day\Local tin Time zone	nagement Ined web pages HTML source path v of interfaces ages age s) s) s) s) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	index.htm Interface		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Time of day\Local tin Time zone	nagement ned web pages HTML source path v of interfaces ages age s) s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time	Interface PROFINET interface_1		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States)	nagement Ined web pages HTML source path v of interfaces ages age s) s) s) s) s) he (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States) E	nagement Ined web pages HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False	access	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States) E	nagement Ined web pages HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server	3.	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States) E	nagement Ined web pages HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False	access	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Time of day\Local tin Time zone Time of day\Daylight Activate daylight saving time Time of day\Daylight Starting week of the month: at	nagement Ined web pages HTML source path v of interfaces ages age s) s) s) s) he (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna : saving time 1 : saving time\Start of daylight savir Last	Interface PROFINET interface_1 Difference between standard and day-light saving time and time		User rights Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False	access	
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	ined web pages HTML source path v of interfaces ages age s) s) s) s) he (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1 saving time 1 c saving time\Start of daylight savir Last 01:00 a.m.	Interface PROFINET interface_1 Difference between standard and day-light saving time and time		Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False	access	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	nagement Ined web pages HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	nagement Ined web pages HTML source path In of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engli	nagement Ined web pages HTML source path of interfaces ages age s) s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1 c saving time\Start of daylight savin Last 01:00 a.m. c saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engli	nagement Ined web pages HTML source path of interfaces ages age s) s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1 c saving time\Start of daylight savin Last 01:00 a.m. c saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	ined web pages HTML source path v of interfaces ages age si)	Interface PROFINET interface_1 Difference between standard and day-light saving time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engli	ined web pages HTML source path v of interfaces ages age si)	Interface PROFINET interface_1 Difference between standard and day-light saving time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	ined web pages HTML source path v of interfaces ages age si)	Interface PROFINET interface_1 Difference between standard and day-light saving time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States Engl	ined web pages HTML source path v of interfaces ages age si)	Interface PROFINET interface_1 Difference between standard and day-light saving time eng time configuration	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	March October	34
Web server\User man User name Everybody Web server\User defi Application name Web server\Overview Device PLC_1 User interface langue Assign project langue English (United States Engli	nagement Ined web pages HTML source path of interfaces ages age sites	Interface PROFINET interface_1 Difference between standard and day-light saving time	Sunda	Files with dynamic content .htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server a False of	Access March	34

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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
0	0	0	DI 8/DQ 6_1	None	-	-	0	1 1
0	1000	1001	Pulse_1	None	-	-	0	1 32
0	1002	1003	Pulse_2	None	-	-	0	1 33
0	1004	1005	Pulse_3	None	-	-	0	1 34
0	1006	1007	Pulse_4	None	-	-	0	1 35
0	4	4	DQ 4x24VDC_1	None	-	-	0	1 3
0	96	99	AQ 2x14BIT_1	None	-	-	0	2

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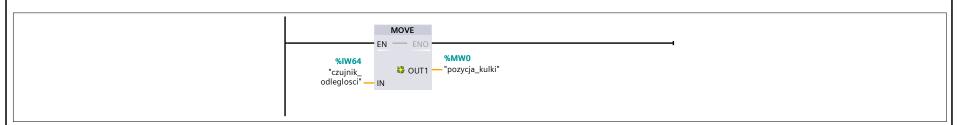
Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Main [OB1]

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

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

Network 1:



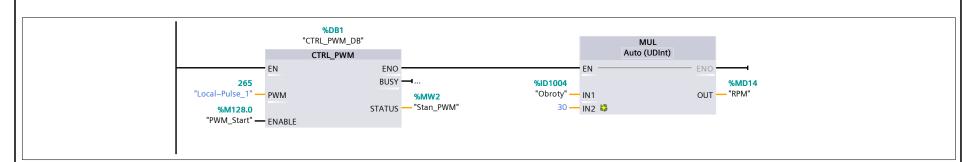
Symbol	Address	Туре	Comment
"czujnik_odleglosci"	%IW64	Word	
"pozycja_kulki"	%MW0	Word	

Network 2:



Symbol	Address	Type	Comment
"Poza_zakresem"	%10.0	Bool	
"Tag_1"	%Q0.0	Bool	
"Zakres_ok"	%M128.1	Bool	

Network 3:



Symbol	Address	Туре	Comment
"Local~Pulse_1"	265	HW_PWM	
"Obroty"	%ID1004	DWord	
"PWM_Start"	%M128.0	Bool	
"RPM"	%MD14	DWord	
"Stan_PWM"	%MW2	Word	

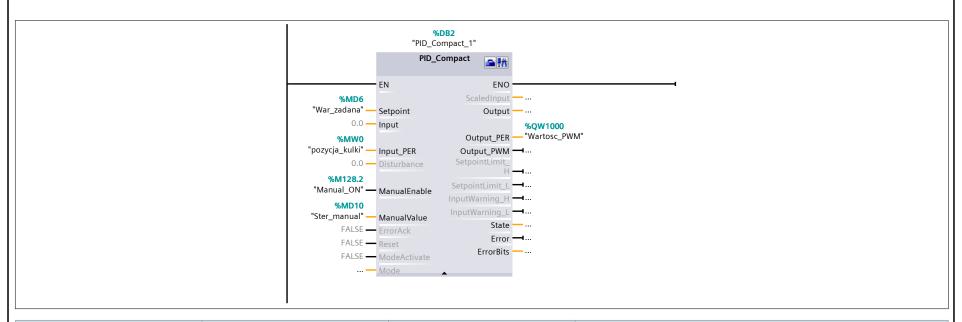
Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Cyclic interrupt [OB30]

Cyclic interru	ot Properties						
General							
Name	Cyclic interrupt	Number	30	Туре	ОВ	Language	LAD
Numbering	automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined					
		ID					

Name	Data type	Default value	Comment	
▼ Input				
Initial_Call	Bool		Initial call of this OB	
Event_Count	Int		Events discarded	
Temp				
Constant				

Network 1:



Symbol	Address	Туре	Comment
"Manual_ON"	%M128.2	Bool	
"pozycja_kulki"	%MW0	Word	
"Ster_manual"	%MD10	Real	
"War_zadana"	%MD6	Real	
"Wartosc_PWM"	%QW1000	Word	

Imbering automatic formation	neral me	CTRL_PWM_DB	Number	· 1	Туре	DB		La	nguage	DB
Author User-defined ID Start value Retain False True False Family PULSE Family Pulse	ımbering				1777	,				
PWM HW_PWM W#16#0 False False True True False BUSY Bool False False True True False STATUS Word W#16#0000 False True True False ID Retain Accessible from HMI HMI Retain HMI Setpoint Comment HMI HMI Setpoint Comment HMI HMI Setpoint Comment HMI HMI Setpoint Comment HMI Furue False False True True False True False True False True False True False	:le				Comme	nt		Fa	mily	PULSE
Input	sion	1.0		fined CTRL_PWM						
PWM HW_PWM W#16#0 False True True False ENABLE Bool False False True True False Output True False BOOL False False True True False	ie		Data type	Start value	Retain	Accessible	Visible in	Setpoint	Commen	t
ENABLE Bool False False True True False Output BUSY Bool False False True True False STATUS Word W#16#0000 False True True False InOut	Input					from HMI	НМІ			
BUSY Bool False False True True False STATUS Word W#16#0000 False True True False nOut										
BUSY Bool False False True True False STATUS Word W#16#0000 False True True False nOut			Bool	False	False	True	True	False		
nOut	BUSY									
			Word	W#16#0000	False	True	True	False		
			l					1		

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Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks / System blocks / Program resources

PID_Compact [FB1130]

PID_Compact	Properties						
General							
Name	PID_Compact	Number	1130	Туре	FB	Language	SCL
Numbering	automatic						
Information							
Title	Compact PID_Controller with self-tuning	Author	SIMATIC	Comment		Family	COMPPID
Version	2.2	User-defined ID	PID_Cmpt				

ne	Data type	Default value	Retain	Accessible		Setpoint	Comment
nput				from HMI	НМІ		
<u>'</u>	Real	0.0	Non-retain	True	True	False	controller setpoint input
Setpoint	Real	0.0	Non-retain Non-retain	True	True	False	controller setpoint input actual value of process as
Input							AL
Input_PER	Int	0	Non-retain	True	True	False	actual value of process fr periphery
Disturbance	Real	0.0	Non-retain	True	True	False	disturbance intrusion
ManualEnable	Bool	FALSE	Non-retain	True	True	False	activate manual input to overwrite output
ManualValue	Real	0.0	Non-retain	True	True	False	input for manual value
ErrorAck	Bool	FALSE	Non-retain	True	True	False	reset error message
Reset	Bool	FALSE	Non-retain	True	True	False	reset the controller
ModeActivate	Bool	FALSE	Non-retain	True	True	False	enable mode
Output							
ScaledInput	Real	0.0	Non-retain	True	True	False	scaled peripheral input va from process
Output	Real	0.0	Non-retain	True	True	False	output value in REAL forr
Output_PER	Int	0	Non-retain	True	True	False	output value in periphera format
Output_PWM	Bool	FALSE	Non-retain	True	True	False	pulse width modulated o put value
SetpointLimit_H	Bool	FALSE	Non-retain	True	True	False	setpoint is limited at high level
SetpointLimit_L	Bool	FALSE	Non-retain	True	True	False	setpoint is limited at lowe level
InputWarning_H	Bool	FALSE	Non-retain	True	True	False	input value exceeded hig warning level
InputWarning_L	Bool	FALSE	Non-retain	True	True	False	input value exceeded low warning level
State	Int	0	Non-retain	True	True	False	status of controller (0=IN TIVE,1=SUT,2=TIR,3=AUT MATIC,4=HAND)
Error	Bool	FALSE	Non-retain	True	True	False	error flag
ErrorBits	DWord	DW#16#00000000	Retain	True	True	False	error message
nOut							
Mode	Int	4	Retain	True	True	False	mode selection
Static							
Internal Diagnostic	DWord	0	Non-retain	False	False	False	internal diagnostic and v sion handling
Internal Version	DWord	DW#16#02020001	Non-retain	True	True	False	version of controller
Internal RTV ersion	DWord	0	Non-retain	False	False	False	version of runtime
Integral Reset Mode	Int	1	Non-retain	True	True	True	0 smooth, 1 clear, 2 keep overwrite initial output
OverwriteInitialOutputValue	Real	0.0	Non-retain	True	True	False	initialisation output value override control
RunModeByStartup	Bool	TRUE	Non-retain	True	True	True	go to last active state bef reset or power cycle
LoadBackUp	Bool	FALSE	Non-retain	True	True	False	restore last parameter se
SetSubstituteOutput	Bool	TRUE	Non-retain	True	True	True	set output to last valid ou value in Replacement Ou state
PhysicalUnit	Int	0	Non-retain	True	True	True	unit of input and setpoin
PhysicalQuantity	Int	0	Non-retain	True	True	True	physical entity of input a setpoint
ActivateRecoverMode	Bool	TRUE	Non-retain	True	True	True	FALSE - go to inactive by ror, TRUE - activate error treatment
Warning	DWord	DW#16#0000000	Retain	True	True	False	warning message
WarningInternal	DWord	DW#16#0000000	Retain	True	True	False	warning message
Progress	Real	0.0	Non-retain	True	True	False	current progress in perce
CurrentSetpoint	Real	0.0	Non-retain	True	True	False	current active setpoint va
CancelTuningLevel	Real	10.0	Non-retain	True	True	True	cancel level for setpoint change during tuning
SubstituteOutput	Real	0.0	Non-retain	True	True	True	substitute output value in case of error
▼ Config	PID_Compact- Config		Non-retain	True	True	False	configuration data set
InputPerOn	Bool	TRUE	Non-retain	True	True	True	activate peripheral input
InvertControl	Bool Real	FALSE	Non-retain	True	True	True	invert control direction
InputUpperLimit	the state of the s	120.0	Non-retain	True	True	True	input (Process Value) upp

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e	Data type	Default value	Retain	Accessible from HMI	Visible in HMI	Setpoint	Comment
InputLowerLimit	Real	0.0	Non-retain	True	True	True	input (Process Value) low limit
InputUpperWarning	Real	3.402822e+38	Non-retain	True	True	True	input (Process Value) upp level warning
InputLowerWarning	Real	-3.402822e+38	Non-retain	True	True	True	input (Process Value) low
0 to the distinct	D I	100.0	Niam watering	T	T	T	level warning
OutputUpperLimit	Real	100.0	Non-retain	True	True	True	output value upper limit
OutputLowerLimit	Real	0.0	Non-retain	True	True	True	output value lower limit
SetpointUpperLimit	Real	3.402822e+38	Non-retain	True	True	True	setpoint upper limit value
SetpointLowerLimit	Real	-3.402822e+38	Non-retain	True	True	True	setpoint lower limit value
MinimumOnTime	Real	0.0	Non-retain	True	True	True	PWM minimum on time
MinimumOffTime	Real	0.0	Non-retain	True	True	True	PWM minimum off time
▼ InputScaling	PID_Scaling		Non-retain	True	True	False	input scaling
UpperPointIn	Real	27648.0	Non-retain	True	True	True	high value (input range of scaling)
LowerPointIn	Real	0.0	Non-retain	True	True	True	low value (input range of
UpperPointOut	Real	100.0	Non-retain	True	True	True	scaling) high value (output range
LowerPointOut	Real	0.0	Non-retain	True	True	True	scaling) low value (output range
CycleTime	PID_CycleTime		Non-retain	True	True	False	scaling) data set for cycle time es
StartEstimation	Bool	TRUE	Non-retain	True	True	False	mation start automatic estimatic
En Estimation	Bool	TRUE	Non-retain	True	True	True	call cycle time enable estimation of call
EnMonitoring	Bool	TRUE	Non-retain	True	True	True	cle time enable monitoring of cal
					_	<u> </u>	cle time
Value	Real	0.1	Non-retain	True	True	True	call cycle time
r CtrlParamsBackUp	PID_Compact- ControlParams		Non-retain	True	True	False	saved parameter set
Gain	Real	1.0	Non-retain	True	True	True	proportional gain
Ti	Real	20.0	Non-retain	True	True	True	reset time
Td	Real	0.0	Non-retain	True	True	True	derivative time
TdFiltRatio	Real	0.2	Non-retain	True	True	True	filter coefficient for deriv
PWeighting	Real	1.0	Non-retain	True	True	True	weigthing of proportional part in direct, feedback p
DWeighting	Real	1.0	Non-retain	True	True	True	weigthing of derivative print direct, feedback path
Cycle	Real	1.0	Non-retain	True	True	True	PID Controller cycle time
PIDSelfTune	PID_Compact-	1.0	Non-retain	True	True	False	data set for self tuning
▼ SUT	SelfTune PID_Com-		Non-retain	True	True	False	data set for start up tunii
	pact_SUT	EALGE		-	_		
CalculateParams	Bool	FALSE	Non-retain	True	True	False	recalculate control paran ters with parameters of s up tuning
TuneRule	Int	0	Non-retain	True	True	True	tuning rule for SUT (0-CF PID,1-CHR PI)
State	Int	0	Non-retain	True	True	False	current phase of start up
▼ TIR	PID_Com-		Non-retain	True	True	False	ing data set for tuning in rur
RunIn	pact_TIR Bool	FALSE	Non-retain	True	True	False	activate run in setpoint v
CalculateParams	Bool	FALSE	Non-retain	True	True	False	out controling recalculate control parameters with parameters of t
TuneRule	Int	0	Non-retain	True	True	True	ters with parameters of t ing in run tuning rule for TIR (0-2-A
гипекие	IIIL		INOTIFIELDITI	iiue	iiue	iiue	auto,fast,slow;3-ZN PID;4
State	Int	0	Non-retain	True	True	False	current phase of tuning i
PIDCtrl	PID_Compact- Control		Non-retain	True	True	False	data for controling part
IntegralSum	Real	0.0	Non-retain	True	True	False	signal of integral part
r Retain	PID_CompactRe- tain		Retain	True	True	False	retain data
▼ CtrlParams	PID_Compact- ControlParams		Retain	True	True	False	actual parameter set
Gain		1.0	Retain	True	True	True	proportional gain
Ti	Real	20.0	Retain	True	True	True	reset time
Td	Real	0.0	Retain	True	True	True	derivative time
TdFiltRatio	Real	0.2	Retain	True	True	True	filter coefficient for deriv tive part
	Real	1.0	Retain	True	True	True	weigthing of proportions part in direct, feedback p
PWeighting							
PWeighting DWeighting	Real	1.0	Retain	True	True	True	weigthing of derivative p in direct, feedback path PID Controller cycle time

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Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / Technology objects

PID_Compact_1 [DB2]

PID_Compact_	_1 Properties						
General							
Name	PID_Compact_1	Number	2	Type	DB	Language	DB
Numbering	automatic						
Information							
Title		Author	SIMATIC	Comment		Family	COMPPID
Version	2.2	User-defined ID	PID_Cmpt				
	-		•				

ne	Data type	Start value	Retain	Accessible		Setpoint	Comment
				from HMI	НМІ		
Input	Real	0.0	False	Terro	True	False	andrallar estaciation at
Setpoint				True			controller setpoint input
Input	Real	0.0	False	True	True	False	actual value of process as REAL
Input_PER	Int	0	False	True	True	False	actual value of process from periph
Disturbance	Real	0.0	False	True	True	False	disturbance intrusion
ManualEnable	Bool	FALSE	False	True	True	False	activate manual input to overwrite output
ManualValue	Real	0.0	False	True	True	False	input for manual value
ErrorAck	Bool	FALSE	False	True	True	False	reset error message
Reset	Bool	FALSE	False	True	True	False	reset the controller
ModeActivate	Bool	FALSE	False	True	True	False	enable mode
Output	200.	1,7,252	. 4.30	1.5.5		. 4.50	5114213111343
ScaledInput	Real	0.0	False	True	True	False	scaled peripheral input value from
					_		process
Output	Real	0.0	False	True	True	False	output value in REAL format
Output_PER	Int	0	False	True	True	False	output value in peripheral format
Output_PWM	Bool	FALSE	False	True	True	False	pulse width modulated output valu
SetpointLimit_H	Bool	FALSE	False	True	True	False	setpoint is limited at highest level
SetpointLimit_L	Bool	FALSE	False	True	True	False	setpoint is limited at lowest level
InputWarning_H	Bool	FALSE	False	True	True	False	input value exceeded high warning
							level
InputWarning_L	Bool	FALSE	False	True	True	False	input value exceeded low warning el
State	Int	0	False	True	True	False	status of controller (0=INACTIVE, 1=SUT,2=TIR,3=AUTOMATIC,4=HAI
Error	Bool	FALSE	False	True	True	False	error flag
ErrorBits	DWord	DW#16#0000000	True	True	True	False	error message
InOut							
	1 - +		T .	T .	т.	F 1.	and a Latin
Mode Static	Int	3	True	True	True	False	mode selection
	DWord	0	False	False	False	False	internal diagnostic and version har
Internal Diagnostic		_					dling
Internal Version	DWord	DW#16#02020001	False	True	True	False	version of controller
Internal RTV ersion	DWord	0	False	False	False	False	version of runtime
IntegralResetMode	Int	1	False	True	True	True	0 smooth, 1 clear, 2 keep, 3 overwinitial output
Overwrite Initial Output Value	Real	0.0	False	True	True	False	initialisation output value for overr control
RunModeByStartup	Bool	TRUE	False	True	True	True	go to last active state before reset
L = - dD = -1.1 lm	Dool	TALCE	Falsa	True	Truc	Falsa	power cycle restore last parameter set
LoadBackUp	Bool	FALSE	False	True	True	False	•
SetSubstituteOutput	Bool	TRUE	False	True	True	True	set output to last valid output value Replacement Output state
PhysicalUnit	Int	0	False	True	True	True	unit of input and setpoint
PhysicalQuantity	Int	0	False	True	True	True	physical entity of input and setpoir
ActivateRecoverMode	Bool	TRUE	False	True	True	True	FALSE - go to inactive by error, TRU activate error treatment
Warning	DWord	DW#16#0000000	True	True	True	False	warning message
WarningInternal	DWord	DW#16#0000000	True	True	True	False	warning message
Progress	Real	0.0	False	True	True	False	current progress in percent
CurrentSetpoint	Real	0.0	False	True	True	False	current active setpoint value
CancelTuningLevel	Real	10.0	False	True	True	True	cancel level for setpoint change du
SubstituteOuteut	Real	40.0	False	True	True	True	tuning substitute output value in case of e
SubstituteOutput		⊤∪.∪					•
▼ Config	PID_Compact- Config		False	True	True	False	configuration data set
InputPerOn	Bool	TRUE	False	True	True	True	activate peripheral input
InvertControl	Bool	FALSE	False	True	True	True	invert control direction
InputUpperLimit	Real	100.0	False	True	True	True	input (Process Value) upper limit
	Real	0.0	False	True	True	True	input (Process Value) lower limit
InputLowerLimit InputUpperWarning	Real	3.402822e+38	False	True	True	True	input (Process Value) upper level w
InputLowerWarning	Real	-3.402822e+38	False	True	True	True	ing input (Process Value) lower level w
OutputUpperLimit	Real	70.0	False	True	True	True	output value upper limit
OutputLowerLimit	Real	40.0	False	True	True	True	output value lower limit
<u> </u>	Real	3.402822e+38	False	True	True	True	setpoint upper limit value
26fboilifobberi illiii			1. 3.55				
SetpointUpperLimit	Real	-3.402822e+38	False	True	True	True	setpoint lower limit value
SetpointOpperLimit SetpointLowerLimit MinimumOnTime	Real Real	-3.402822e+38	False False	True True	True True	True True	setpoint lower limit value PWM minimum on time

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Automation	Portal

ame	Data type	Start value	Retain	Accessible from HMI	Visible in HMI	Setpoint	Comment
▼ InputScaling	PID_Scaling		False	True	True	False	input scaling
UpperPointIn	Real	27611.0	False	True	True	True	high value (input range of scaling)
LowerPointIn	Real	0.0	False	True	True	True	low value (input range of scaling)
UpperPointOut	Real	100.0	False	True	True	True	high value (output range of scaling)
LowerPointOut	Real	0.0	False	True	True	True	low value (output range of scaling)
▼ CycleTime	PID_CycleTime		False	True	True	False	data set for cycle time estimation
StartEstimation	Bool	TRUE	False	True	True	False	start automatic estimation of call cy time
En Estimation	Bool	TRUE	False	True	True	True	enable estimation of call cycle time
EnMonitoring	Bool	TRUE	False	True	True	True	enable monitoring of call cycle time
Value	Real	0.1	False	True	True	True	call cycle time
▼ CtrlParamsBackUp	PID_Compact- ControlParams		False	True	True	False	saved parameter set
Gain	Real	1.0	False	True	True	True	proportional gain
Ti	Real	20.0	False	True	True	True	reset time
Td	Real	0.0	False	True	True	True	derivative time
TdFiltRatio	Real	0.2	False	True	True	True	filter coefficient for derivative part
PWeighting	Real	1.0	False	True	True	True	weigthing of proportional part in di rect, feedback path
DWeighting	Real	1.0	False	True	True	True	weigthing of derivative part in direct feedback path
Cycle	Real	1.0	False	True	True	True	PID Controller cycle time
▼ PIDSelfTune	PID_Compact- SelfTune		False	True	True	False	data set for self tuning
▼ SUT	PID_Com- pact_SUT		False	True	True	False	data set for start up tuning
CalculateParams	Bool	FALSE	False	True	True	False	recalculate control parameters with parameters of startup tuning
TuneRule	Int	0	False	True	True	True	tuning rule for SUT (0-CHR PID,1-CI PI)
State	Int	0	False	True	True	False	current phase of start up tuning
▼ TIR	PID_Com- pact_TIR		False	True	True	False	data set for tuning in run
RunIn	Bool	FALSE	False	True	True	False	activate run in setpoint without co troling
CalculateParams	Bool	FALSE	False	True	True	False	recalculate control parameters with parameters of tuning in run
TuneRule	Int	0	False	True	True	True	tuning rule for TIR (0-2-A PID auto,fast,slow;3-ZN PID;4-ZN PI;5-ZN
State	Int	0	False	True	True	False	current phase of tuning in run
▼ PIDCtrl	PID_Compact- Control		False	True	True	False	data for controling part
IntegralSum	Real	0.0	False	True	True	False	signal of integral part
▼ Retain	PID_CompactRe- tain		True	True	True	False	retain data
▼ CtrlParams	PID_Compact- ControlParams		True	True	True	False	actual parameter set
Gain	Real	2.910965E-1	True	True	True	True	proportional gain
Ti	Real	2.812781	True	True	True	True	reset time
Td	Real	7.136555E-1	True	True	True	True	derivative time
TdFiltRatio	Real	0.1	True	True	True	True	filter coefficient for derivative part
PWeighting	Real	2.529754E-1	True	True	True	True	weigthing of proportional part in d rect, feedback path
DWeighting	Real	0.0	True	True	True	True	weigthing of derivative part in dire feedback path
Cycle	Real	9.999911E-2	True	True	True	True	PID Controller cycle time

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Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [46]

PLC tags

PLC t	ags						
	Name	Data type	Address	Retain	Visible in HMI	Accessible from HMI	Comment
- ■	czujnik_odleglosci	Word	%IW64	False	True	True	
- ■	pozycja_kulki	Word	%MWO	False	True	True	
-11	PWM_Start	Bool	%M128.0	False	True	True	
-11	Zakres_ok	Bool	%M128.1	False	True	True	
-11	Poza_zakresem	Bool	%10.0	False	True	True	
-11	Stan_PWM	Word	%MW2	False	True	True	
-11	Zadany_PWM	Word	%MW4	False	True	True	
-11	Wartosc_PWM	Word	%QW1000	False	True	True	
-01	Manual_ON	Bool	%M128.2	False	True	True	
- ■	War_zadana	Real	%MD6	False	True	True	
€ 11	Ster_manual	Real	%MD10	False	True	True	
-11	Obroty	DWord	%ID1004	False	True	True	
-11	RPM	DWord	%MD14	False	True	True	
- ■11	blad_poz	Real	%MD20	False	True	True	
- ■	Tag_1	Bool	%Q0.0	False	True	True	

Totally Integrated Automation Portal					
Project2 / PLC_1 [CPU 1212C AC/DC	C/Rly] / PLC tags /	Default tag table [46	5]	
User constants					
User constants Name	I	Data type	Value	Comment	
1					Г

Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC data types

PID_CompactConfig

PID_CompactC	Config Properties						
General							
Name	PID_CompactConfig	Number	1134	Туре	UDT	Language	
Numbering							
Information							
Title	configuration data set	Author		Comment		Family	
Version		User-defined					
		ID					

Name	Data type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comment
InputPerOn	Bool	TRUE	True	True	True	activate peripheral input
InvertControl	Bool	FALSE	True	True	True	invert control direction
InputUpperLimit	Real	120.0	True	True	True	input (Process Value) upper limit
InputLowerLimit	Real	0.0	True	True	True	input (Process Value) lower limit
InputUpperWarning	Real	3.402822e+38	True	True	True	input (Process Value) upper level warning
InputLowerWarning	Real	-3.402822e+38	True	True	True	input (Process Value) lower level warning
OutputUpperLimit	Real	100.0	True	True	True	output value upper limit
OutputLowerLimit	Real	0.0	True	True	True	output value lower limit
SetpointUpperLimit	Real	3.402822e+38	True	True	True	setpoint upper limit value
SetpointLowerLimit	Real	-3.402822e+38	True	True	True	setpoint lower limit value
MinimumOnTime	Real	0.0	True	True	True	PWM minimum on time
MinimumOffTime	Real	0.0	True	True	True	PWM minimum off time
▼ InputScaling	PID_Scaling		True	True	False	input scaling
UpperPointIn	Real	27648.0	True	True	True	high value (input range of scaling)
LowerPointIn	Real	0.0	True	True	True	low value (input range of scaling)
UpperPointOut	Real	100.0	True	True	True	high value (output range of scaling)
LowerPointOut	Real	0.0	True	True	True	low value (output range of scaling)

PID_Scaling Number 1135 Type UDT Language PID_Scaling Author Comment Family PID_Scaling Family PID_Scaling Family PID_Scaling Family PID_Scaling	PID_Scaling PID_S	_Scaling Properties								
pering hation data for scaling Author User-defined ID	ering nation data for scaling Data type Default value perPointIn Real 27648.0 True True True low value (input range of scaling) perPointOut Real 100.0 True True high value (output range of scaling) True high value (output range of scaling) True True high value (output range of scaling)	neral PID_Scaling	Nu	umber	1135	Type	UDT		Language	
Author User-defined ID Data type Default value reperPointIn Real Doub Default value Default value True Default value De	Author User-defined ID Data type Default value Family Accessible from HMI HMI PerPointIn Real Visible in HMI Family True True Find Find Find Find Find Find Find Find	mbering				. 7 -	,55.			
Data type Default value Accessible from HMI HMI DeperPointIn Real 27648.0 True True True True Index poperPointOut Real 0.0 True True True True True Index poperPointOut True	Data type Default value Accessible from HMI PerPointIn Real 27648.0 True True True Inue True Inue Inue	e data for scalin	Λ	uthor		Commont			Family	
perPointIn Real 27648.0 True True high value (input range of scaling) werPointIn Real 0.0 True True True low value (input range of scaling) perPointOut Real 100.0 True True True high value (output range of scaling)	perPointInReal27648.0TrueTrueTruehigh value (input range of scaling)werPointInReal0.0TrueTrueTruelow value (input range of scaling)perPointOutReal100.0TrueTrueTruehigh value (output range of scaling)	sion	Use	ser-defined		Comment			i dililiy	
werPointIn Real 0.0 True True Iow value (input range of scaling) perPointOut Real 100.0 True True True high value (output range of scaling)	werPointIn Real 0.0 True True True Iow value (input range of scaling) perPointOut Real 100.0 True True True high value (output range of scaling)	ne	Data type		Default value		Visible in HMI	Setpoint	Comment	
pperPointOut Real 100.0 True True high value (output range of scaling)	perPointOut Real 100.0 True True True high value (output range of scaling)	UpperPointIn								
		owerPointIn								
werPointOut Real 0.0 If the IT	WeerPointOut Real 0.0 True True									
			,							

	ime Number	1137	Туре	UDT		Language	
umbering formation	A suella bissa a a la Aubla au		Comment			Family	
tle data set for timation	cycle time es- Author User-defin	ned	Comment			Family	
ame	Data type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comment	
StartEstimation EnEstimation	Bool Bool	TRUE TRUE	True True	True True	False True	start automatic estima enable estimation of co	
EnMonitoring Value	Bool Real	TRUE	True True	True	True True	enable monitoring of c	

General									
lame	PID_CompactControlParams	Number	1138	Туре	UDT		l	_anguage	
lumbering nformation									
itle 'ersion	controling parameter se	Author User-defined ID		Comment			F	amily	
lame	Data	type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Commer	nt	
Gain	Real		1.0	True	True	True	proportio	onal gain	
Ti	Real		20.0	True	True	True	reset tim		
Td	Real		0.0	True	True	True	derivativ	e time	
TdFiltRatio			0.2	True	True	True		fficient for der	
PWeightin			1.0	True	True	True	path		nal part in direct, feedback
DWeightin Cycle	Real Real		1.0	True True	True True	True True	path	g of derivative roller cycle tim	part in direct, feedback

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Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC data types

PID_CompactSelfTune

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1

Name	Data type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comment
▼ SUT	PID_Compact_SUT		True	True	False	data set for start up tuning
CalculateParams	Bool	FALSE	True	True	False	recalculate control parameters with parameters of startup tuning
TuneRule	Int	0	True	True	True	tuning rule for SUT (0-CHR PID,1-CHR PI)
State	Int	0	True	True	False	current phase of start up tuning
▼ TIR	PID_Compact_TIR		True	True	False	data set for tuning in run
Runin	Bool	FALSE	True	True	False	activate run in setpoint without controling
CalculateParams	Bool	FALSE	True	True	False	recalculate control parameters with parameters of tuning in run
TuneRule	Int	0	True	True	True	tuning rule for TIR (0-2-A PID auto,fast,slow;3-ZN PID;4-ZN PI;5-ZN P)
State	Int	0	True	True	False	current phase of tuning in run

Totally Inte Automation	grated n Portal						
Project?	/ DI C 1 [CDII	12120 101	DC/Rly] / PLC o	lata typos			
	entEstimation	1212C AC/L	oc/My] / TEC C	iata types			
General	Estimation Properties						
Name Numbering nformation	PID_GradientEstimat	ion Number	1508	Туре	UDT	Language	
Title /ersion	structure for gradien mation	t esti- Author User-defined	4	Comment		Family	
Name	D	ID Pata type	Default value	Accessible	Visible in Setpoint	Comment	
			Joinale value	from HMI	нмі		
	<u> </u>						_

ral :	PID_GradientParams	Number	1511	Туре	UDT	Language	
pering mation	dataset of parameters fo			Comment		Family	
on	Data	User-defined ID	Default value	Accessible	Visible in Setpoint	Comment	
				from HMI	НМІ		

Automation	grated n Portal							
	/ PLC_1 [CPI		2C AC/D	C/Rly] / PLC data	a types			
	Deviation Properties							
ieneral Iame	PID_StandardDevia		lumber	1509	Type	UDT	Language	
lumbering nformation itle	data for estimation	of do-	Author		Comment		Family	
ersion	viance	L	Jser-defined D		Comment		laminy	
lame		Data type	e	Default value	Accessible from HMI	Visible in Setpo	oint Comment	

General	SUT Properties									
lame Iumbering	PID_Compact_SU	T	Number	1142	Type	UDT			Language	
nformation										
itle	data set for start i				Comment				Family	
ersion			User-defined ID							
ame		Data ty	pe	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comme	nt	
CalculatePa	rams	Bool		FALSE	True	True	False	recalcul startup	ate control par tuning	rameters with parameters o
TuneRule		Int		0	True	True	True			-CHR PID,1-CHR PI)
State		Int		0	True	True	False	current	phase of start	up tuning

Totally Inte										
PID_Com		J 1212	2C AC/DO	C/Rly] / PLC data	types					
Name	PID_Compact_TIR		Number	1143	Туре	UDT		Langu	ane	
Numbering	11b_compact_mx		Turriber	1113	Турс	ODT		Langu	uge	
Information										
Title	data set for tuning	in run 🛮 🗚	Author		Comment			Family	•	
Version		L	Jser-defined D			1				
Name		Data type	e	Default value	Accessible from HMI	Visible in	Setpoint	Comment		

True

True

True

True

True

True

True

True

False

False

True

False

activate run in setpoint without controling

current phase of tuning in run

tuning in run

recalculate control parameters with parameters of

tuning rule for TIR (0-2-A PID auto,fast,slow;3-ZN PID;4-ZN PI;5-ZN P)

FALSE

FALSE

0

0

Bool

Bool

Int

Int

RunIn

TuneRule

State

 ${\it Calculate Params}$

eneral	tControl Properties							
ame umbering	PID_CompactControl	Number	1144	Туре	UDT		Language	
formation tle ersion	data for controling part	Author User-defined ID		Comment			Family	
ame	Data 1		Default value	Accessible	Visible in Se	tpoint Con	nment	
IntegralS	um Real		0.0	from HMI True	HMI True Fa	se sigr	nal of integral part	

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Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / PLC data types

PID_CompactRetain

PID_CompactR	etain Properties						
General							
Name	PID_CompactRetain	Number	1145	Type	UDT	Language	
Numbering							
Information							
Title	retain data	Author		Comment		Family	
Version		User-defined					
		ID					

Name	Data type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comment
▼ CtrlParams	PID_CompactControl- Params		True	True	False	actual parameter set
Gain	Real	1.0	True	True	True	proportional gain
Ti	Real	20.0	True	True	True	reset time
Td	Real	0.0	True	True	True	derivative time
TdFiltRatio	Real	0.2	True	True	True	filter coefficient for derivative part
PWeighting	Real	1.0	True	True	True	weigthing of proportional part in direct, feedback path
DWeighting	Real	1.0	True	True	True	weigthing of derivative part in direct, feedback path
Cycle	Real	1.0	True	True	True	PID Controller cycle time

Project2 / PLC_1 [CPU 1212C AC/DC/Rly] / Watch and force tables Force table Name
Name Address Display format Force value Comment

Totally Integrated Automation Portal		
Project2 / PLC_1	[CPU 1212C AC/DC/Rly] / Traces	
Measurements		
This folder is empty.		

Totally Integrated Automation Portal				
Project2 / PLC_1 [CPU 1212C AC/DC/Rly] Text lists				
This folder is empty.				

Totally Integrated Automation Portal				
	_1 [CPU 1212	2C AC/DC/Rly] / Local	modules	
DQ 4x24VDC_1				
DQ 4x24VDC_1				
General\Project inform	ation			
Name D	O 4x24VDC 1	Comment		

DQ 4x24VDC_1					
General\Project info	ormation				
Name	DQ 4x24VDC_1	Comment			
General\Catalog inf					
Short designation	DQ4 signal board (200 kHz)	Description	Signal board DQ4 x 24VDC / 200 kHz; plug-in terminal blocks	Article number	6ES7 222-1BD30-0XB0
Firmware version	V1.0				
Digital outputs					
Reaction to CPU STOP	Use substitute value				
Digital outputs\Cha	nnel0				
Channel address	Q4.0	Substitute a value of 1 on a change from RUN to STOP.	0		
Digital outputs\Cha	nnel1				
Channel address	Q4.1	Substitute a value of 1 on a change from RUN to STOP.	0		
Digital outputs\Cha	nnel2				
Channel address	Q4.2	Substitute a value of 1 on a change from RUN to STOP.	0		
Digital outputs\Cha	nnel3				
Channel address	Q4.3	Substitute a value of 1 on a change from RUN to STOP.	0		
I/O addresses\Outp	ut addresses				
Start address	4	End address	4	Organization block	0
Process image	0				
Hardware identifier	r\Hardware identifier				

Hardware identifier | 269

Totally Integrated Automation Portal		
Project2 / PLC_1	[CPU 1212C AC/DC/Rly] / Local modules	

AQ 2x14BIT_1

AQ 2x14BIT_1					
General\Project infor		A + la =		Camana	
	AQ 2x14BIT_1 2	Author	admin	Comment	
Slot	_				
General\Catalog info		- • • •			5567 022 41 D22 01/D2
J	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
	V2.0				
AQ 2\Project informa					
	AQ 2x14BIT_1	Comment			
AQ 2\Module diagno					
Enable power sup- ply diagnostics	1	Additional diagnos- tics may be selected for each input/ output.			
AQ 2\Analog outputs	;				
Reaction to CPU STOP	Use substitute value				
AQ 2\Analog outputs	s\Channel0				
Channel address	QW96	Analog output type	Voltage	Voltage range	+/- 10 V
Substitute value for channel on a change from RUN to STOP				Enable short circuit diagnostics	1
Enable overflow diagnostics	1	Enable underflow diagnostics	1		
AQ 2\Analog outputs	:\Channel1				
Channel address	QW98	Analog output type	Voltage	Voltage range	+/- 10 V
Substitute value for channel on a change from RUN to STOP				Enable short circuit diagnostics	1
Enable overflow diagnostics	1	Enable underflow diagnostics	1	<u> </u>	
AQ 2\I/O addresses\O	Output addresses	<u> </u>			
	96	End address	99	Organization block	0
	0				1
	tifier\Hardware identifier				
	270				

Totally Integrated Automation Portal		
Project2		
HMI_1 [KTP400 Ba	sic PN]	
HMI_1 General Name	HMI_1	

	. 1				-
Totally Integrated Automation Porta					
D : (0/11)	41 4 EVTD400 D D				
	ИI_1 [KTP400 Basic P	NJ			
Runtime settir	ngs				
General					
Start screen	Screen_1	Default template		Default style of the project	Checked
Style of the HMI de- vice	WinCC Dark V 1.0.1	Adapt font size to style	Checked		480, 272
Project ID	0		Startup language		
Screens					
Bit selection for text and graphic lists	Off	User-defined picto- gram size	Unchecked	X,Y:	64, 45
Keyboard					
Use screen key- board	Checked	Release button on exit	Unchecked	Disable dialog win- dow function keys	Unchecked
Alarms					
Controller alarms	S				
Buffer overflow	10 %	Acknowledgment	QGR	Use alarm class col-	Unchecked
System event dura-	2 Seconds	group text Connection	HMI_Connection_1	or	
tion					
User administrat	ion				
Enable limit for log- on attempts	Checked	Invalid logon at- tempts	3	Logon with pass- word	Unchecked
Group-specific rights	Unchecked	Password aging	Unchecked		90
Warning period	7	Password genera- tions	3	At least one special character	Unchecked
At least one number	Unchecked	Minimum password	3	Character	
Language & font		length			
Preset runtime lange		English (USA)			
rreset runtime langt	uaye.	Eliglish (OSA)			
English (USA)					
English (USA)	Charled	Eived font 1	Tahama	Default fent	Tahama 11 Dival
English (USA) Runtime language Configured font 1	Checked	Fixed font 1	Tahoma	Default font	Tahoma, 11 Pixel
Runtime language Configured font 1	Checked	Fixed font 1	Tahoma	Default font	Tahoma, 11 Pixel
Runtime language Configured font 1 Tag settings Replace the separa-	Checked	Compatibility mode:		Replace the '.' char-	
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the	Checked	Compatibility mode: Set'_' between the PLC tags and the		Replace the '.' character if the name of the HMI tag is cre-	
Runtime language 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
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the re-	Checked	Compatibility mode: Set'_' between the PLC tags and the	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the re-	Checked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character	Checked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement charac-	Checked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement character	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked
Runtime language Configured font 1 Tag settings Replace the separator on each sub-level of the path of the PLC tag: Use '_' as the replacement character Use '{' and '}' as replacement characters PLC name as prefix	Checked Checked Unchecked	Compatibility mode: Set '_' between the PLC tags and the first-level element. Use ';' as the re- placement character Use '(' and ')' as re- placement charac-	Unchecked	Replace the '.' character if the name of the HMI tag is created from the PLC tag name Replace the characters '[' and ']' if the name of the HMI tag is created from the PLC tag name	Checked

lly Integrated	
ation Portal	

Project2 / HMI_1 [KTP400 Basic PN] / Screens

Screen_1

Hardcopy of Screen_1



General Name	Screen_1	Background color	181, 182, 181	Grid color	0, 0, 0	
Number	1	Template	101, 102, 101	Tooltip	0, 0, 0	
Layers	•	Template		Поон		
Active layer	0					
Active layer	U					
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			

I/O field_1

Туре	I/O field				
General					
Display format	Decimal	Field length	5	Format pattern	99999
Mode	Input/output	Process value		Shift decimal point	0
Show leading zeros	Unchecked				
Appearance					
Background color	255, 255, 255	Background fill pat- tern	Solid	Border background color	255, 255, 255
Border color	0, 0, 0	Border width	0	Line style	Solid
Foreground color	0, 0, 0	Unit		Corner radius	0
Characteristics					
Hidden input	Unchecked				
Layout					
Bottom margin	2	Fit to size	Unchecked	Height	24
X position	28	Left margin	2	Right margin	2
Y position	212	Top margin	2	Width	59
Text format					
Font	Tahoma, 15px	Horizontal align- ment	Left	Orientation	Horizontal
	Тор				
Limits					
Color for High limit violated	255, 0, 0	Color for Low limit violated	255, 255, 0		

tyles/Designs					
se style/design	Unchecked	Style item appear- ance			
liscellaneous poltip		Layer	0 - Layer_0	Name	I/O field_1
ecurity uthorization		Allow operator con-	Checked		
ynamizations\Tag (connection	trol			
roperty name	Process value	Tag	po zycja_kulki		
04_Control_4					
ype ayout	Group				
eight /idth	200 100	X position	11	Y position	7
1 iscellaneous					
ayer	0 - Layer_0	Name	D4_Control_4		
	_Vertical_Small_4				
ype eneral	Graphic view				
raphic	Design_4_Slider_Frame_Vertical_Small				
ppearance ackground color	181, 182, 181	Background fill pat-	Transparent	Border color	0, 0, 0
order width	0	tern Line style	Solid		0, 0, 0
ayout					lana
uto-size position	Stretch screen 11	Fit to size Y position	Unchecked 7	Height Width	200 100
liscellaneous ayer	0 - Layer_0	Name	D4_Slider_Frame_Vertical_Small_	4	
)4_Bar_4	, , –				
 ype	Bar				
eneral laximum value	30000	Minimum value	10	Process value	0
ppearance					
ackground color olor of scale	165, 162, 165 0, 0, 0	Segment coloring Limit lines (layout)	Entire bar Checked	Foreground color Limit marking (lay- out)	0, 0, 198 Unchecked
order type order background olor	255, 255, 255	Border color	0, 0, 0	Border width	0
orner radius (bor- er)	0	Border frame style	Solid		
cales	E				40
ivisions how scale	5 Checked	Large mark labeling Auto-scale	Unchecked	Scale gradation	10
abel nteger digits	5	Decimal places	0	Double-lined scale	Unchecked
how "+" for positive	e Unchecked	Show scale marks	Checked	label Use exponential for	- Unchecked
umbers nit				mat	
ayout			1		
ar orientation cale position	Top Right/down	Height Y position	157 28	X position Width	35 44
ext format ont	Tahoma, 13px				
imits olor low limit	255, 255, 0	Color high limit	255, 0, 0		
larms	233, 233, 0	alarms	255, 0, 0		
tyles/Designs se style/design	Unchecked	Style item appear-			
liscellaneous		ance			
ayer ynamizations\Tag (0 - Layer_0 connection	Name	D4_Bar_4		
roperty name	Process value	Tag	pozycja_kulki		
PlotLight_Round_	_R				
ype eneral	Graphic I/O field				
it number	0	Mode	Two states	Value status ON	1
raphic list rocess value	0	Graphic OFF	PilotLight_Round_R_Off_256c	Graphic ON	PilotLight_Round_R_On_256c
ppearance ackground color	181, 182, 181	Background fill pat-	Solid	Border color	0, 0, 0
order width	0	tern	Solid	Focus color	
ocus width	1	Line style	JOHU	FOCUS COIOF	0, 0, 0
ayout			50	Y position	20
position	145	Width	50	Y DOSITION	29

	al				
it to size imits	Unchecked				
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0		
iolated 1iscellaneous		violated			
ooltip		Layer	0 - Layer_0	lame	PlotLight_Round_R
ecurity Authorization		Allow operator con-	Checked		
		trol	Checked		
)ynamizations\Tag o Property name	rocess value	Тэа	Zakres_ok		
•	Process value	Tag	Zakres_Ok		
Text field_1					
ype	Text field				
ieneral ext	Odległość kulki od czujnika				
ppearance					
ackground color	156, 154, 206	Background fill pat- tern		order background olor	255, 255, 255
order color	0, 0, 0	Border width		ine style	Solid
oreground color	0, 0, 0	Corner radius (border)	0		
ayout					
ottom margin	2	Fit to size		leight	22
position position	245	Left margin Top margin		light margin Vidth	2 175
ext format					
ont	Tahoma, 15px	Horizontal align- ment	Left	Prientation	Horizontal
ertical alignment	Тор	ment			
lashing					
lashing tyles/Designs	None				
se style/design	Unchecked	Style item appear-			
/liscellaneous		ance			
ayer	0 - Layer_0	Name	Text field_1		
ext field_2					
ype ieneral	Text field				
ext	Kulka poza zakresem				
ppearance		 -			\
ackground color	156, 154, 206	Background fill pat- tern		order background olor	255, 255, 255
order color	0, 0, 0	Border width	0 L	ine style	Solid
oreground color	0, 0, 0	Corner radius (bor- der)	0		
ayout					
ottom margin (position	113	Fit to size Left margin		leight light margin	22
position /	7	Top margin		Vidth	142
ext format					
			l	Orientation	
ont	Tahoma, 15px	Horizontal align- ment	Left	nientation	Horizontal
ertical alignment	Tahoma, 15px Top		Left	one italion	Horizontal
ertical alignment lashing	Тор		Left	mentauon	Horizontal
ertical alignment lashing lashing	i i		Left	mentauon	Horizontal
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ertical alignment lashing lashing tyles/Designs se style/design	Top	Style item appear-	Text field_2	mentauon	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous	Top None Unchecked	Style item appearance		mentauon	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2	None Unchecked 0 - Layer_0	Style item appearance		THE IT IS A STATE OF THE IS A	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2	Top None Unchecked	Style item appearance		THE	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format	Top None Unchecked 0 - Layer_0 I/O field Decimal	Style item appearance Name Field length	Text field_2	ormat pattern	999999999
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output	Style item appearance	Text field_2		999999999
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format lode how leading zeros ppearance	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked	Style item appearance Name Field length Process value	Text field_2	ormat pattern hift decimal point	9999999999
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format lode how leading zeros ppearance	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output	Style item appearance Name Field length Process value Background fill pat-	Text field_2 10	format pattern hift decimal point	9999999999
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format lode how leading zeros ppearance ackground color	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0	Style item appearance Name Field length Process value Background fill pattern Border width	Text field_2 10	ormat pattern hift decimal point order background olor ine style	9999999999
ertical alignment ashing ashing cyles/Designs se style/design discellaneous ayer Ofield_2 //pe eneral isplay format lode now leading zeros ppearance ackground color order color order color	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked 255, 255, 255	Style item appearance Name Field length Process value Background fill pattern	Text field_2 10	format pattern hift decimal point forder background olor	999999999 0 255, 255, 255
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ertical alignment lashing lash	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0 0, 0, 0 Unchecked	Style item appearance Name Field length Process value Background fill pattern Border width Unit	Text field_2 10	format pattern hift decimal point forder background olor ine style forner radius	999999999 0 255, 255, 255 Solid 0
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format lode how leading zeros ppearance ackground color order color order color oreground color haracteristics idden input ayout ottom margin	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0 0, 0, 0 Unchecked	Style item appearance Name Field length Process value Background fill pattern Border width Unit Fit to size	Text field_2 10	Format pattern Thift decimal point Forder background Forder background Former radius Former radius	999999999 0 255, 255, 255 Solid 0
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rertical alignment lashing lashing tyles/Designs lse style/design riscellaneous ayer /O field_2 ype reneral risplay format risplay format risplay format risplay format color rorder color rorder color roreground color rharacteristics ridden input ayout ottom margin riposition riposition ext format	None Unchecked Unchecked I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0 Unchecked 2 356 30	Style item appearance Name Field length Process value Background fill pattern Border width Unit Fit to size Left margin Top margin	Text field_2 10	format pattern hift decimal point forder background olor ine style forner radius feight tight margin	9999999999 0 255, 255, 255 Solid 0
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ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_2 ype eneral isplay format lode how leading zeros ppearance ackground color order color order color order tolor	None Unchecked Unchecked I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0 Unchecked 2 356 30 Tahoma, 15px	Style item appearance Name Field length Process value Background fill pattern Border width Unit Fit to size Left margin Top margin	Text field_2 10	format pattern hift decimal point forder background olor ine style forner radius feight tight margin	9999999999 0 255, 255, 255 Solid 0
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ertical alignment ashing ashing yles/Designs se style/design iscellaneous ayer O field_2 //pe eneral isplay format ode now leading zeros opearance ackground color order tolor order color order tolor order color order color order tolor order color order tolor order color order color order tolor order color order color order color order tolor order color	Top None Unchecked 0 - Layer_0 I/O field Decimal Input/output Unchecked 255, 255, 255 0, 0, 0 0, 0, 0 Unchecked 2 356 30 Tahoma, 15px Top	Style item appearance Name Field length Process value Background fill pattern Border width Unit Fit to size Left margin Top margin Horizontal align-	Text field_2 10	format pattern hift decimal point forder background olor ine style forner radius feight tight margin	9999999999 0 255, 255, 255 Solid 0

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se style/design	Unchecked	Style item appear- ance			
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ecurity		"		INdille	I/O field_2
uthorization		Allow operator con- trol	Checked		
ynamizations\Tag					
roperty name	Process value	Tag	Obroty		
ext field_3					
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eneral ext	Pomiar prędkości				
ppearance					
ackground color	156, 154, 206	Background fill pat- tern	Transparent	Border background color	255, 255, 255
order color	0, 0, 0	Border width	0	Line style	Solid
oreground color	0, 0, 0	Corner radius (bor- der)	0		
nyout				lles & A	
ottom margin position	339	Fit to size Left margin	Checked 2	Height Right margin	22
position	7	Top margin	2	Width	113
ext format ont	Tahoma, 15px	Horizontal align-	Left	Orientation	Horizontal
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ashing	None				
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•	o Layer_o	Name	Text field_5		
ext field_4					
ype	Text field				
eneral ext	Wprowadź wartość PWM				
ppearance					
ackground color	156, 154, 206	Background fill pat- tern	Transparent	Border background color	255, 255, 255
order color	0, 0, 0	Border width	0	Line style	Solid
oreground color	0, 0, 0	Corner radius (bor- der)	0		
ayout					
ottom margin position	314	Fit to size Left margin	Checked 2	Height Right margin	22
position	144	Top margin	2	Width	166
	Tahoma 15ny	Horizontal align-	Left	Orientation	Horizontal
ont	Tahoma, 15px	Horizontal align- ment	Left	Orientation	Horizontal
ont ertical alignment			Left	Orientation	Horizontal
ont ertical alignment lashing lashing			Left	Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs	Top	ment	Left	Orientation	Horizontal
ont Tertical alignment lashing lashing tyles/Designs	Тор		Left	Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design	Top None Unchecked	Style item appearance		Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous	Top	Style item appear-	Left Text field_4	Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous	Top None Unchecked	Style item appearance		Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_3	Top None Unchecked	Style item appearance		Orientation	Horizontal
ertical alignment lashing lashing tyles/Designs lse style/design liscellaneous ayer //O field_3 ype leneral	Top None Unchecked 0 - Layer_0	Style item appearance Name	Text field_4		
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_3 ype eneral isplay format	Top None Unchecked 0 - Layer_0	Style item appearance		Format pattern Shift decimal point	99999
ertical alignment lashing lashing tyles/Designs se style/design liscellaneous ayer /O field_3 ype eneral isplay format lode how leading zeros	Top None Unchecked 0 - Layer_0	Style item appearance Name Field length	Text field_4	Format pattern	99999
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ecurity uthorization		Allow operator con-			
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ever_Horizontal_	.1				
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ppearance	101 102 101	De demonstration	255 255 255	 	0.0.0
ackground color	181, 182, 181	Background color (button border)	255, 255, 255	Foreground color	0, 0, 0
ner background olor OFF	255, 255, 255	Inner background color ON	255, 255, 255	Background fill pat- tern	Solid
orner radius II pattern	0				
ackground color radient (button fill	132, 130, 132	Gradient 1 (button fill pattern)	Unchecked	Gradient 2 (button fill pattern)	Unchecked
attern) olor gradient 1	214, 211, 214	Color gradient 2	173, 170, 173	Offset gradient 1	14
outton fill pattern)	14	(button fill pattern)	173, 170, 173	(button fill pattern)	1
ffset gradient 2 outton fill pattern)	14				
esign ocus color	0, 0, 0	Focus width	1		
ayout t to size	Unchecked	Height	50	X position	378
witch orientation largin left graphic	Left to right	Y position Margin top graphic	94	Width Margin right graphic	80
ayout)		(layout)		(layout)	
largin bottom raphic (layout)	0	Margin left text (lay out)		Margin top text (lay out)	
largin right text ayout)	0	Margin bottom text (layout)		Horizontal align- ment of the graphic	Centered
ertical alignment f the graphic	Middle	Fit to size	Stretch screen		
ext format ont	Tahoma, 16px	Horizontal align-	Centered	Vertical alignment	Middle
imits		ment of the text		of the text	
olor for High limit	255, 0, 0	Color for Low limit violated	255, 255, 0		
tyles/Designs	Un de calcad				
se style/design	Unchecked	Style item appear- ance			
liscellaneous ooltip		Layer	0 - Layer_0	Name	Lever_Horizontal_1
lignment ecurity	Horizontal				
uthorization		Allow operator con- trol	Checked		
ynamizations\Tag o			DIAMA Chart		
roperty name	Process value	Tag	PWM_Start		
Text field_5	T 45' 1.1				
ype eneral	Text field				
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ackground color	156, 154, 206	Background fill pat- tern	Transparent	Border background color	255, 255, 255
order color oreground color	0, 0, 0	Border width Corner radius (bor-	0		Solid
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ayout ottom margin	2	Fit to size	Checked	Height	22
position position	379 72	Left margin Top margin	2	Right margin Width	64
ext format	Tahoma, 15px	Horizontal align-	Left	Orientation	Horizontal
ertical alignment	· ·	ment			
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se style/design	Unchecked	Style item appearance			
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ayer	0 - Layer_0	Name	Text field_5		
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Display format Mode	Input/ou		Field length Process value		Format pattern Shift decimal point		ל ל כ כ כ
Show leading zeros							
Appearance							
Background color	255, 255	5, 255	Background fill pat- tern		Border background color	255, 25	5, 255
Border color	0, 0, 0		Border width		Line style	Solid	
Foreground color	0, 0, 0		Unit		Corner radius	0	
Characteristics							
Hidden input	Uncheck	ed					
Layout	2		Fit to size	Unchecked	11-1-1-4	22	
Bottom margin X position	2 384		Left margin		Height Right margin	32	
Y position	226				Width	96	
Text format							
Font	Tahoma,	, 15px	, J	Left	Orientation	Horizon	tal
Vertical alignment	Ton		ment				
Limits	ТОР						
Color for High limit	255, 0, 0			255, 255, 0			
violated			violated				
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ose style/design	oncheck		ance				
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Tooltip			Layer	0 - Layer_0	Name	I/O field	_4
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AUTHORIZATION			Allow operator control	CHECKEU			
Dynamizations\Tag	connectio	on					
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Text field_6							
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Appearance							
Background color	156, 154	1, 206	Background fill pat-		Border background	255, 25	5, 255
Border color	0, 0, 0		tern Border width		color Line style	Solid	
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Layout							
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Bottom margin	2					22	
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Bottom margin X position Y position Text format	419 202 Tahoma,	, 15px	Left margin Top margin Horizontal align-	2	Right margin Width	33	tal
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	Totally Integrated Automation Porta	ıl				
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Commercialis Comm	• •	181, 182, 181	Background color	255, 255, 255	Foreground color	0. 0. 0
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Intended Height 00		0, 0, 0	Focus width	1		
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of the graphic Fort Tahoma, 16px Horizontal align ment of the text Middle of the text M	(layout)		(layout)			
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ment of the text Color for tigh limit is 255, 0, 0 Color for Low limit violated vio		Tahoma 16nx	Horizontal align-	Centered	Vertical alignment	Middle
Color for tips limit 255, 0, 0 violated violated				331161.54		
Display Continue	Color for High limit violated	255, 0, 0		255, 255, 0		
Miscellaneous Cooling Layer 0 - Layer 0 Name Lever Horizontal 2		Unchecked	Style item appear-			
Allow operator con- Checked trol Checked Ch		onchecked				
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Totally Integrated Automation Portal	
Project2 / HMI_1 [KTP400 Basic PN] / Screen management Templates	
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Totally Integrated Automation Portal						
Project2 / HMI_ Global screen Hardcopy of Global s		sic PN] / Screen m	anagement			
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Totally Integrated Automation Porta					
	MI_1 [KTP400 Basic PN	N] / HMI tags			
Default tag tal	ole [12]				
Swiatlo					
General Name	Swiatlo	Connection	HMI_Connection_1	Data type	Bool
Array elements	0	Length	1	Address	%Q0.0
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Limits	100 ms		Cyclic in operation		
Maximum Linear scaling		Minimum			
Linear scaling	Unchecked	PLC value range end	10	PLC value range	0
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Multiplexing	Unchecked	Index tag			
pozycja_kulki					
General Name	pozycja_kulki	Connection	HMI_Connection_1	Data type	Word
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ccess mode LC name	<symbolic access=""> PLC_1</symbolic>	PLC tag	Ster_manual	Coding	IEEE754
ettings	FLC_1				
cquisition cycle	1 s	Acquisition mode	Cyclic in operation		
mits					
laximum		Minimum			
near scaling near scaling	Unchecked	PLC value range en	d 10	PLC value range	0
illear scalling	Officiecked	value	u 10	start value	
MI device value	100	HMI device value	0		
nge end value		range start value			
liscellaneous		Start value			
) tag omment		Start value			
omment		Source comment			
lultiplexing					
lultiplexing	Unchecked	Index tag			
/ar_zadana					
eneral ame	War_zadana	Connection	HMI_Connection_1	Data type	Real
ame rray elements	war_zadana 0	Length	4	Address	INCUI
ccess mode	<symbolic access=""></symbolic>	PLC tag	War_zadana	Coding	IEEE754
LC name	PLC_1		<u> </u>		<u> </u>
ettings					
cquisition cycle	1 s	Acquisition mode	Cyclic in operation		
		Minimum			
mits	and the second s	Minimum			
mits Iaximum					
mits	Unchecked	PLC value range en	d 10	PLC value range	0
mits laximum near scaling	Unchecked	PLC value range en value HMI device value	d 10	PLC value range start value	0

Totally Integrate Automation Port	ed			
Automation Port	tal			
Miscellaneous				
ID tag Comment		Start value		
Comment		Source comment		
Multiplexing				
Multiplexing	Unchecked	Index tag		
				

Totally Inte Automation	·					
Project2 Connectio	/ HMI_1 [KTP400 Basic PN	1]				
HMI_Conne						
Name	HMI_Connection_1	Communication driver	SIMATIC S7 1200	Comment		
Online	Checked	Station	S7-1200 station_1	Partner	PLC_1	
Node		HMI time synchroni- zation mode	None		:	

Parameter

HMI device								
Interface	PROFINET (X1)	Address	192.168.0.2	Access point	S7ONLINE			
PLC								
Address	192.168.0.1							

Totally Integrated Automation Portal		
Project2 / HMI_1	[KTP400 Basic PN] / HMI alarms	
Discrete alarms		
This folder is empty.		
Г		

Totally Integrated Automation Portal	
Project2 / HMI_1 [KTP400 Basic PN] / HMI alarms	
Analog alarms	
This folder is empty.	

larm groups	_1 [KTP400 Basic PN] / HM			
.larm_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	h 10121.05.p.		1	
General		11-2	1	
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	\ uq=3.02F= . 2			
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	MidIIII_group_4	U		
General				
Name	Alarm_group_5	ID	5	
Alarm_group_6 General				
Name	Alarm_group_6	ID	6	
Alarm_group_7				
	Alarm_group_7	ID	7	
General Name		,		
Name Alarm_group_8 General	A1	ID.	IO	
Name Alarm_group_8 General Name	Alarm_group_8	ID	8	
Name Alarm_group_8 General	Alarm_group_8	ID	8	

Totally Integrated Automation Porta					
Project2 / HMI_1 [KTP400 Basic PN] / HMI alarms Alarm classes					
Acknowledgeme	nt				
General Name	Acknowledgement	Display name	A	ID	33
Common alarm class	Acknowledgement	Alarm log	<no log=""></no>		
Acknowledgment State machine	Alarm with single-mode acknowl- edgment				
State texts Text for "Incoming"		Text for "Outgoing"	0	Text for "Acknowl- edged"	A
Colors Background "Incoming/Acknowledged"	255, 255, 255	Background "Incom- ing"	255, 0, 0	Background "Incoming/Outgoing/ Acknowledged"	255, 255, 255
Background "Incoming/Outgoing"	255, 0, 0				
Errors					
General Name	Errors	Display name	!	ID	1
Common alarm class	<no alarm="" class=""></no>	Alarm log	<no log=""></no>		
Acknowledgment State machine	Alarm with single-mode acknowledgment				
State texts Text for "Incoming"		Text for "Outgoing"	0	Text for "Acknowl-	A
Colors				edged"	
Background "Incoming/Acknowledged"		Background "Incom- ing"	255, 0, 0	Background "Incom- ing/Outgoing/ Acknowledged"	- 255, 255, 255
Background "Incom- ing/Outgoing"					
No Acknowledge General	ment				
Name	No Acknowledgement	Display name	NA	ID	34
Common alarm class	No Acknowledgement	Alarm log	<no log=""></no>		
Acknowledgment State machine	Alarm without acknowledgment				
State texts Text for "Incoming"		Text for "Outgoing"	0	Text for "Acknowl-	A
Colors	1	Text for Outgoing		edged"	^
Background "Incom- ing/Acknowledged"	255, 255, 255	Background "Incom- ing"	255, 0, 0	Background "Incom- ing/Outgoing/ Acknowledged"	- 255, 255, 255
Background "Incom- ing/Outgoing"	255, 0, 0				
System					
General Name	System	Display name	\$	ID	3
Common alarm class	<no alarm="" class=""></no>	Alarm log	<no log=""></no>		
Acknowledgment State machine	Alarm without acknowledgment	"			
State texts					
Text for "Incoming"	l	Text for "Outgoing"	0	Text for "Acknowl- edged"	A
Colors Background "Incom-	255, 255, 255	Background "Incom-	255, 255, 255	Background "Incom-	255, 255, 255
ing/Acknowledged" Background "Incom-	255 255 255	ing"		ing/Outgoing/ Acknowledged"	
ing/Outgoing"	-,,				
Warnings					
General Name	Warnings	Display name		ID	2
Common alarm class	<no alarm="" class=""></no>	Alarm log	<no log=""></no>		
Acknowledgment State machine	Alarm without acknowledgment	 			
State texts		Toyt for "Out : "	0	Toyt for "A close or	Δ
Text for "Incoming"	l	Text for "Outgoing"	U	Text for "Acknowl- edged"	A
Colors Background "Incoming/Acknowledged"	255, 255, 255	Background "Incom- ing"	255, 255, 255	Background "Incom- ing/Outgoing/ Acknowledged"	- 255, 255, 255
	·	11	1		

Totally Integrated Automation Portal			
Background "Incom- 255 ing/Outgoing"	, 255, 255		
g, cutgoing			
	1		

Totally Integrated Automation Portal		
Project2 / HMI_1 [KTP400 Basic PN] / HMI alarms		
System events		
This folder is empty.		
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Totally Integrated Automation Portal		
Project2 / HMI_1	[KTP400 Basic PN]	
Recipes		
This folder is empty.		
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Totally Integrated Automation Portal		
Datalogs	1 [KTP400 Basic PN] / Historical data	
This folder is empty.		

Text by tregator attention for the state of			
AlarmLogs	Totally Integrated Automation Portal		
	Project2 / HMI_1 [KTP400 Basic PN] / Historical data		
	AlarmLogs		
·	<u> </u>	1	

Totally Integrated Automation Portal		
Project2 / HMI_1	[KTP400 Basic PN]	
Scheduled tasks		
This folder is empty.		

Totally Integrated Automation Portal		
Text lists	[KTP400 Basic PN] / Text and graphic lists	
This folder is empty.		

Totally Integrated Automation Portal	
Project2 / HMI_1 [KTP400 Basic PN] / Text and graphic lists Graphic lists	
This folder is empty.	

neral me	Administrator	Number	1	
tomatic logoff tomatic logoff	Checked	Logoff time	5	
mment			اح	
mment	The user 'Administrator' is assigned to the 'Administr tor' group.	a-		
oups oups	Administrator group;			

moment The Administratory group is biblishy granted at legins. User administratory, Monitor, Desertation of the Comment of the	eneral Iame	Administrator group	Display name	Administrator group	Number	1	
granted all rights. Authorizations Authorizations User administration; Monitor; Operate; Users General Jame Users Display name Users Number 2 Jassword aging Unchecked Comment Comment The 'Users' group is initially granted 'Operating' rights.	assword aging omment	Unchecked		· · · · · · · · · · · · · · · · · · ·			
User administration; Monitor; Operate; Users Users Users Users Users Unchecked Unchecked Unchecked Users Unchecked Users Unchecked Users Unchecked Users Unchecked Users Unchecked Users		The 'Administrator' group is initially granted all rights.					
ieneral lame Users Display name Users Number 2 assword aging Unchecked comment comment The 'Users' group is initially granted 'Operating' rights.		User administration; Monitor; Operate;					
lame Users Display name Users Number 2 assword aging Unchecked omment omment The 'Users' group is initially granted 'Operating' rights. uthorizations							
omment omment The 'Users' group is initially granted 'Operating' rights. uthorizations	lame		Display name	Users	Number	2	
uthorizations	omment	The 'Users' group is initially granted					

perate perate perate perate perate perate perate perate perate Monitor' authorization Operate Operate	General Name	Monitor	Authorization	Monitor	Authorization num- 2	
perate eneral ame Operate Authorization Operate Authorization number omment omment Operate' authorization. ser administration eneral ame User administration Authorization User administration for managing users in the user view Authorization Operate Authorization number Authorization number Authorization number	Comment				ber	
Authorization number Operate		'Monitor' authorization.				
mment Operate' authorization. Seer administration eneral Operate Ope	General					
comment 'Operate' authorization. Ser administration Eneral In a ser administration	lame	Operate	Authorization	Operate		
eneral ame User administration Authorization User administration ber Authorization 1 Authorization 1 Authorization 1 Authorization 1 For managing users in the user view	omment	'Operate' authorization.				
Authorization User administration User administration User administration ber Omment Authorization 'User administration' for managing users in the user view		stration				
Authorization 'User administration' for managing users in the user view	eneral ame	User administration	Authorization	User administration		
for managing users in the user view	omment				ber	
	omment	for managing users in the user view	v			
·						

Totally Integrated Automation Portal			
roject2 / Common data arm classes			
arm classes me	Display name	Acknowledgment	
knowledgement Acknowledgement	A NA	True False	

Totally Integrated			
Automation Portal			
Project2 / Comm	on data		
	on data		
Text lists			
SYSTEM_AlarmServices_Prices	orityList		
Selection Selection	Decimal	ID	0
Comment			
SYSTEM_AlarmServices_Prices	orityList		
Range from			Entry
0			0
2			2
3			3 4
5			5
6			6
7 8			7 8
9		9	9
10			10
11 12			11 12
13		13	13
14 15			14 15
16			16
SYSTEM_AlarmServices_Dis	nlavClassi ist		
Selection	Decimal	ID	0
Comment			
SYSTEM_AlarmServices_Dis	playClassList		
Range from			Entry
0		0	0
2		1	2
3			3
5			5
6			6
7		•	7
9			9
10		10	10
11 12			11 12
13			13
14			14
15 16			15 16
		10	10
SYSTEM_AlarmServices_Ack Selection	knowledgement Group List Decimal	ID	0
Comment	Decimal	D	
SYSTEM_AlarmServices_Ack	knowledgementGroupl ist		
Range from		Range to	Entry
0		0	0
2		<u> </u>	2
3			3
5			5
6			6
7		7	7
9			9
10			10
11			11
12 13			12 13
14		14	14
15			15
16		16	16
SYSTEM_AlarmServices_Pro		lip.	
Selection Comment	Decimal	ID	0
	nducorl ist		
SYSTEM_AlarmServices_Pro Range from		Range to	Entry
0		0	User program
1 2			Report system errors User program
3			User program
4		4	System diagnostics
5			Motion control Security
1 =		-	···J

Totally Integrated Automation Portal			
Range from	Range to	Entry SINUME	RIK
SYSTEM_AlarmServices_T Selection Comment	Decimal	ID 0	
SYSTEM_AlarmServices_T			
Range from	Range to	Entry Info tex	
0	1	Alarm te	
2	2		nal text 1
2 3	3	Addition	nal text 2
4	4		nal text 3
5	5 6	Addition	nal text 4 nal text 5
6 7	7		nal text 6
8	8	Addition	nal text 7
8 9	9	Addition	nal text 8
10	10	Addition	nal text 9
			,

Totally Integrated Automation Portal		
Project2 / Comn	non data	
Logs		
This folder is empty.		

Totally Integrated Automation Portal		
Project2 / Comn	non data	
Styles		
This folder is empty.		

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

	Totally Integrated Automation Portal	
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Project2 / Languages & resources / Project texts

Project texts

English (United States)	Category	Reference
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\\AlarmClassDa-
		ta_lDisplayNaming_DisplayName
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\\AlarmClassData_IE
	Other when the state of the sta	playNaming_DisplayName
	Other text category	Project2\Comment
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\alarmclass name not set_1\AlarmClassData_IDisplayNaming_DisplayName
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\alarmclass name not set\Alarm-
	Additive text	ClassData_IDisplayNaming_DisplayName
	Alarm text	alarmclass name not set_4\AlarmClassData_IDisplayNaming_DisplayName
Main Program Sweep (Cycle)"	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\Main [OB1]\Comment
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\alarmclass name not
		set_2\AlarmClassData_IDisplayNaming_DisplayName
	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\0\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\0\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\0\Entry
	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_2\Text OFF
	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_1\Text OFF
	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\1\Entry
	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_1\Text ON
	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_2\Text ON
	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\1\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\1\Entry
0	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\10\Entry
0	Text List Text Category	Project 2\SYSTEM_Alarm Services_Acknowledgement Group List\10\Entry
0	Text List Text Category	Project 2\SYSTEM_Alarm Services_Display Class List\10\Entry
1	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\11\Entry
1	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\11\Entry
1	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\11\Entry
2	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\12\Entry
2	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\12\Entry
2	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\12\Entry
3	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\13\Entry
3	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\13\Entry
3	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\13\Entry
4	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\14\Entry
4	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\14\Entry
4	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\14\Entry
5	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\15\Entry
5	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\15\Entry
5	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\15\Entry
6	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\16\Entry
6	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\16\Entry
6	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\16\Entry
2	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\2\Entry
)	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\2\Entry
<u>'</u>	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\2\Entry
<u> </u>	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\3\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\3\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\3\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\4\Entry
•	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\4\Entry
•	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\4\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\5\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\5\Entry Project2\SYSTEM_AlarmServices_DisplayClassList\5\Entry
	Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\S\Entry Project2\SYSTEM_AlarmServices_PriorityList\6\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\6\Entry Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\6\Entry
	Text List Text Category Text List Text Category	Project 2\SYSTEM_AlarmServices_Acknowledgement Group List to lentry Project 2\SYSTEM_AlarmServices_Display Class List \6\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassEistloiEntry Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\7\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList(7\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList(7\Entry Project2\SYSTEM_AlarmServices_PriorityList\7\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityListt7\Entry Project2\SYSTEM_AlarmServices_DisplayClassList\8\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassEistloiEntry Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\8\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementaroapEist(8\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_DisplayClassList\9\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_PriorityList\9\Entry
	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_AcknowledgementGroupList\9\Entry
\ \	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Acknowledged"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Acknowledged"
<u> </u>	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Acknowledgement"
		edged"
	Alarm class text	Project 2\Acknowledgement\Alarm Class Data_I Display Naming_Display Name
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Acknowl-
		edged"
1	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Acknowl-
		edged"
1	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Acknowledged"
1	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Acknowledged"
dditional text 1	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 1\Entry
dditional text 2	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 2\Entry
dditional text 3	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 3\Entry
		Project2\SYSTEM_AlarmServices_TextNameList\Additional text 4\Entry

<u> </u>		
English (United States)	Category	Reference
Additional text 5 Additional text 6	Text List Text Category Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 5\Entry Project2\SYSTEM_AlarmServices_TextNameList\Additional text 6\Entry
Additional text 6	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 6\Entry Project2\SYSTEM_AlarmServices_TextNameList\Additional text 7\Entry
Additional text 8	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 7\Entry
Additional text 9	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Additional text 8\Entry
Administrator group	HMI runtime	Project2\HMI_1 [KTP400 Basic PN]\User administration\Administrator group\Display
Administrator group	The runtine	name
Alarm text	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Alarm text\Entry
Authorization 'User administration' for	HMI comment	Project2\HMI_1 [KTP400 Basic PN]\User administration\User administration\Commen
managing users in the user view inrRun-		
time.	NA INTERNATIONAL PROPERTY OF THE PROPERTY OF T	D. ' +2 D C 4 [CD 4242C 4 C DC D] D C + + + + D D C + + C F C + + F C + F C + F C + F C + F C + F F
configuration data set controling parameter set	Multilingual text category Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CompactConfig\Comment Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CompactControlParams
Controlling parameter set	Widitilligual text category	Comment
CPU error: @1W%t#7W@ @5W%t#7W@	System alarm text	4\SDIAG_ALCAT_CPU_ERR_MSG\Alarm text
HW_ID= @6W%5u@		
CPU info: @1W%t#7W@ @5W%t#7W@	System alarm text	4\SDIAG_ALCAT_CPU_INFO_MSG\Alarm text
HW_ID= @6W%5u@		
CPU internal: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CPU_INTERN_MSG\Alarm text
าพ_เม= ๕๐พ%วน๕ CPU maintenance demanded: @1W	System alarm text	4\SDIAG_ALCAT_CPU_MD_MSG\Alarm text
%t#7W@ @5W%t#7W@ HW_ID= @6W	System diarm text	4/SDIAG_ALCAT_CPO_MD_MSG/Alarm text
%5u@		
CPU maintenance required: @1W%t#7W@	System alarm text	4\SDIAG_ALCAT_CPU_MR_MSG\Alarm text
@5W%t#7W@ HW_ID= @6W%5u@		
CPU mode message: @1W%t#7W@ @5W	System alarm text	4\SDIAG_ALCAT_CPU_OST_MSG\Alarm text
%t#7W@		
data for controling part	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CompactControl\Commen
data for estimation of deviance	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_StandardDeviation\Comm
data for scaling	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_Scaling\Comment
data set for cycle time estimation	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CycleTime\Comment
data set for self tuning	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CompactSelfTune\Comme
data set for start up tuning	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_Compact_SUT\Comment
data set for tuning in run	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_Compact_TIR\Comment
dataset of parameters for gradient estimation	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_GradientParams\Commen
Error: @1W%t#7W@ - @5W%t#7W@	System alarm text	4\SDIAG_ALCAT_ESUB_ERR_MSG\Alarm text
HW_ID= @6W%5u@		
Error: @1W%t#7W@ - @5W%t#7W@	System alarm text	4\SDIAG_ALCAT_ECH_ERR_MSG\Alarm text
HW_ID= @6W%5u@, @8W%t#7W@ chan-		
nel number @2W%5u@		
Error: @1W%t#7W@ @5W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_MODUL_MSG\Alarm text
wow%5uw Error: @1W%t#7W@ @5W%t#7W@ HW_ID=	System alarm toyt	4\SDIAG_ALCAT_RACK_MSG\Alarm text
@6W%5u@	System diamin text	413DIAG_ALCAT_NACK_WISGIAIdITII text
Error: @1W%t#7W@ @5W%t#7W@ HW_ID=	= System alarm text	4\SDIAG_ALCAT_DEVICE_MSG\Alarm text
@6W%5u@		
Error: @1W%t#7W@ @5W%t#7W@ HW_ID=	System alarm text	4\SDIAG_ALCAT_IOSYSTEM_MSG\Alarm text
@6W%5u@		
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@,	System alarm text	4\SDIAG_ALCAT_CH_ERR_MSG\Alarm text
@8W%t#7W@ channel number @2W%5u@		
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Incoming"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Incoming
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Incoming"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Incoming"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Incoming"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Incoming"
	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Incom
	<u> </u>	ing"
nfo text	Text List Text Category	Project2\SYSTEM_AlarmServices_TextNameList\Info text\Entry
nfo: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CONFIG_INFO\Alarm text
nfo: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_CONFIG_REPORT\Alarm text
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Incomination (Outgoing")
0	Alarm toyt	ing/Outgoing" Project 2 HM 1 [KTP400 Rasic PN] HMI alarms \ Acknowledgement \ Toyt for "Incoming
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Incoming Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Incoming/Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Incoming/Outgoing" Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Incoming/Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Incoming/Outgoing" Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Incoming/Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Incoming/
-		Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Incoming/
		Outgoing"
Kulka poza zakresem	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_2\Text
Maintenance demanded: @1W%t#7W@ -	System alarm text	4\SDIAG_ALCAT_ESUB_MD_MSG\Alarm text
@5W%t#7W@ HW_ID= @6W%5u@	System alaym to the	ANCDIAC ALCAT CUD AND MCCIAL
Maintenance demanded: @1W%t#7W@ HW_ID= @6W%5u@	System alarm text	4\SDIAG_ALCAT_SUB_MD_MSG\Alarm text
אר ש = שמי איט ש = שמי איט = שמי Maintenance demanded:@1W%t#7W@ -	System alarm text	4\SDIAG_ALCAT_ECH_MD_MSG\Alarm text
@5W%t#7W@ HW_ID= @6W%5u@, @8W	System didnin text	NOD IN COLLEGIA LEGIA LINIDON MAINT CONC
%t#7W@ channel number @2W%5u@		
Maintenance demanded:@1W%t#7W@	System alarm text	4\SDIAG_ALCAT_CH_MD_MSG\Alarm text
HW_ID= @6W%5u@, @8W%t#7W@ chan-		
nel number @2W%5u@		
Maintenance required: @1W%t#7W@ -	System alarm text	4\SDIAG_ALCAT_ESUB_MR_MSG\Alarm text
@5W%t#7W@ HW_ID= @6W%5u@	Suntana alauma t	AICDIAC ALCAT CUD AND AICCIAL
Maintenance required: @1W%t#7W@	System alarm text	4\SDIAG_ALCAT_SUB_MR_MSG\Alarm text
IW_ID= @6W%5u@		

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English (United States)	Category	Reference
Maintenance required:@1W%t#7W@ - @5W%t#7W@ HW_ID= @6W%5u@, @8W	System alarm text	4\SDIAG_ALCAT_ECH_MR_MSG\Alarm text
%t#7W@ channel number @2W%5u@		ALCOHAG ALGAT GILLARD MGGIAL
Maintenance required:@1W%t#7W@ HW_lD= @6W%5u@, @8W%t#7W@ chan- nel number @2W%5u@	System alarm text	4\SDIAG_ALCAT_CH_MR_MSG\Alarm text
Monitor	HMI runtime	Project2\HMI_1 [KTP400 Basic PN]\User administration\Monitor\Name
'Monitor' authorization.	HMI comment	Project2\HMI_1 [KTP400 Basic PN]\User administration\Monitor\Comment
Motion control	Text List Text Category	Project2\SYSTEM_AlarmServices_ProducerList\SMC\Entry
NA	Alarm class text	Project2\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Errors\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Diagnosis events\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\System\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Warnings\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\No Acknowledgement\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Acknowledgement\Text for "Outgoing"
0	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\HMI alarms\Safety warnings\Text for "Outgoing"
Odległość kulki od czujnika	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_1\Text
Operate	HMI runtime	Project2\HMI_1 [KTP400 Basic PN]\User administration\Operate\Name
'Operate' authorization.	HMI comment	Project2\HMI_1 [KTP400 Basic PN]\User administration\Operate\Comment
Pomiar prędkości	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_3\Text
PWM ON	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_5\Text
QGR	Alarm text	Project2\HMI_1 [KTP400 Basic PN]\Runtime settings\HmiAlarmSettingsData\Acknowl-
		edgment group text
Report system errors	Text List Text Category	Project2\SYSTEM_AlarmServices_ProducerList\Rse\Entry
retain data	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_CompactRetain\Comment
RPM	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_6\Text
S7	Alarm text	alarmclass name not set_3\AlarmClassData_IDisplayNaming_DisplayName
Security	Text List Text Category	Project 2\SYSTEM_Alarm Services_Producer List\Security\Entry
SINUMERIK	Text List Text Category	Project 2\SYSTEM_Alarm Services_Producer List\Sinumerik\Entry
Sterowanie ręczne	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_7\Text
structure for gradient estimation	Multilingual text category	Project2\PLC_1 [CPU 1212C AC/DC/Rly]\PLC data types\PID_GradientEstimation\Comment
Switch	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_2\Caption text
Switch	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Lever_Horizontal_1\Caption text
System diagnostics	Text List Text Category	Project 2\SYSTEM_Alarm Services_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	Project2\HMI_1 [KTP400 Basic PN]\User administration\Administrator group\Comment
The user 'Administrator' is assigned to the 'Administrator' group.	HMI comment	Project2\HMI_1 [KTP400 Basic PN]\User administration\Administrator\Comment
The 'Users' group is initially granted 'Operating' rights.	HMI comment	Project2\HMI_1 [KTP400 Basic PN]\User administration\Users\Comment
User administration	HMI runtime	Project2\HMI_1 [KTP400 Basic PN]\User administration\User administration\Name
User program	Text List Text Category	Project 2\SYSTEM_Alarm Services_ProducerList\Simotion\Entry
User program	Text List Text Category	Project 2\SYSTEM_Alarm Services_Producer List\Alarming\Entry
User program	Text List Text Category	Project2\SYSTEM_AlarmServices_ProducerList\lecpl\Entry
Users	HMI runtime	Project2\HMI_1 [KTP400 Basic PN]\User administration\Users\Display name
Wartość zadana	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_8\Text
Wprowadź wartość PWM	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_4\Text
WZ sterowania ręcznego	HMI screen	Project2\HMI_1 [KTP400 Basic PN]\Screens\Screen_1\Text field_9\Text

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Project2 / Languages & resources	
Project graphics	
Design_1_Slider_Frame_Vertical_Broad	
Standard graphic	English (USA)
Dithering mode Grids with error scatter	Grids with error scatter
Smoothing	
Unchecked	Unchecked
Design_4_Slider_Frame_Vertical_Small	Frankalı (UCA)
Standard graphic	English (USA)
Dithering mode	
Grids with error scatter Smoothing	Grids with error scatter
Unchecked	Unchecked
Down_Arrow	
Standard graphic	English (USA)
Dithering mode Same color	Same color
▶ Smoothing	
Unchecked Home	Unchecked
Standard graphic	English (USA)
Dithering mode	English (USA)
Same color Smoothing	Same color
Unchecked	Unchecked
Left_Arrow	
Standard graphic	English (USA)
Dithering mode	Comp color
Same color Smoothing	Same color
Unchecked	Unchecked
Lever_Horizontal_1_Off_256c	
Standard graphic	English (USA)
Dithering mode Same color	Same color

