Totally Integrated Automation Portal		
PLC_1 [CPU 12120	AC/DC/Rly]	
PIC 1		

LC_1					
eneral\Project infor					
	PLC_1	Author	admin	Comment	
ot	1	Rack	0		
eneral\Catalog info 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 AI2 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 pro-	Article number	6ES7 212-1BE40-0XB0
	V4.1		gramming, HMI and PLC to PLC communication		
eneral\Identificatio	n & Maintenance				2040 02 26 46 22 47 262
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	Autioi	<u> </u>	Comment	
ame	DI 8/DQ 6_1	Comment		Name	AI 2_1
omment	-	Name	DQ 4x24VDC_1	Comment	
	X1]\General\Catalog information			-	
hort designation	DQ4 signal board (200 kHz) V1.0	Description	Signal board DQ4 x 24VDC / 200 kHz; plug-in terminal blocks	Article number	6ES7 222-1BD30-0XB0
	X1]\Ethernet addresses\Interface r	etworked with			
ubnet:	PN/IE_1				
ROFINET interface [X1]\Ethernet addresses\IP protoco Set IP address in the project False	IP address:	192.168.0.1	Subnet mask:	255.255.255.0
ROFINET interface [ROFINET device	X1]\Ethernet addresses\PROFINET False	Generate PROFINET	True	PROFINET device	plc_1
ame is set directly t the device		device name auto- matically		name	
onverted name:	plcxb1d0ed	Device number:	0	L	
	X1]\Time synchronization				
nable time syn- nronization via NTP erver	Enable time synchronization via NTP server		IP addresses	Server 1	0.0.0.0
	0.0.0.0	Server 3	0.0.0.0	Server 4	0.0.0.0
pdate interval	10sec				
	X1]\Digital inputs\Channel0	J	1		
hannel address	0.0 X1]\Digital inputs\Channel0\	Input filters	6.4 millisec	Enable pulse catch	0
	0	RidPrefixRisingEdg-	49152	Event name:	0
etection		eEvent	17/132	Event name.	
ardware interrupt:	I .	Rising edge0	Rising edge0		
ROFINET interface [nable falling edge etection	X1]\Digital inputs\Channel0\ 0	RidPrefixFallingEdg- eEvent	49280	Event name:	0
ardware interrupt:	0	Falling edge0	Falling edge0		
	X1]\Digital inputs\Channel1				
	10.1	Input filters	6.4 millisec	Enable pulse catch	0
	X1]\Digital inputs\Channel1\ 0	RidPrefixRisingEdg- eEvent	49153	Event name:	0
ardware interrupt:	I .	Rising edge1	Rising edge1		
	V1I\Digital inputa\Channel1\				
nable falling edge		RidPrefixFallingEdg- eEvent	49281	Event name:	0
nable falling edge etection ardware interrupt:	0		49281 Falling edge1	Event name:	0
nable falling edge etection ardware interrupt: ROFINET interface [0 0 X1]\Digital inputs\Channel2	eEvent Falling edge1	Falling edge1		
nable falling edge etection ardware interrupt: ROFINET interface [hannel address	0 0 X1]\Digital inputs\Channel2 10.2	eEvent		Event name: Enable pulse catch	
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdgeEvent	Falling edge1 1.6 millisec 49154		
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt:	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdg-	Falling edge1 1.6 millisec	Enable pulse catch	0
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\	eEvent Falling edge1 Input filters RidPrefixRisingEdgeEvent	Falling edge1 1.6 millisec 49154 Rising edge2	Enable pulse catch	0
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt:	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdgeEvent Rising edge2 RidPrefixFallingEdg-	Falling edge1 1.6 millisec 49154 Rising edge2	Enable pulse catch Event name:	0
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent	Falling edge1 1.6 millisec 49154 Rising edge2 49282	Enable pulse catch Event name:	0
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address	0 X1]\Digital inputs\Channel2 0.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3	eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent Falling edge2	Falling edge1 1.6 millisec 49154 Rising edge2 49282 Falling edge2	Enable pulse catch Event name: Event name:	0
hannel address ROFINET interface [nable rising edge etection lardware interrupt: ROFINET interface [nable falling edge etection lardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3 I0.3 X1]\Digital inputs\Channel3\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent Falling edge2 Input filters RidPrefixRisingEdg- eEvent	Falling edge1 1.6 millisec 49154 Rising edge2 49282 Falling edge2 6.4 millisec 49155	Enable pulse catch Event name: Event name:	0
nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt:	0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3 I0.3 X1]\Digital inputs\Channel3\ 0	eEvent Falling edge1 Input filters RidPrefixRisingEdgeEvent Rising edge2 RidPrefixFallingEdgeEvent Falling edge2 Input filters RidPrefixRisingEdge	Falling edge1 1.6 millisec 49154 Rising edge2 49282 Falling edge2 6.4 millisec	Enable pulse catch Event name: Event name: Enable pulse catch	0

Totally Integrated Automation Porta					
Hardware interrupt:		Falling edge3	Falling edge3		
hannel address	[X1]\Digital inputs\Channel4 0.4	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface nable rising edge	[X1]\Digital inputs\Channel4\	RidPrefixRisingEdg-	49156	Event name:	0
etection lardware interrupt:	0	eEvent Rising edge4	Rising edge4		
ROFINET interface	[X1]\Digital inputs\Channel4\				
nable falling edge etection	0	RidPrefixFallingEdg- eEvent	49284	Event name:	0
lardware interrupt:	0 [X1]\Digital inputs\Channel5	Falling edge4	Falling edge4		
hannel address	10.5	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface nable rising edge	[X1]\Digital inputs\Channel5\	RidPrefixRisingEdg-	49157	Event name:	0
etection ardware interrupt:	0	eEvent Rising edge5	Rising edge5		
ROFINET interface	[X1]\Digital inputs\Channel5\			-	I-
nable falling edge etection	0	RidPrefixFallingEdg- eEvent	49285	Event name:	0
lardware interrupt: ROFINET interface	0 [X1]\Digital inputs\Channel6	Falling edge5	Falling edge5		
hannel address	10.6	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface nable rising edge	[X1]\Digital inputs\Channel6\ 0	RidPrefixRisingEdg-	49158	Event name:	0
etection lardware interrupt:	0	eEvent Rising edge6	Rising edge6		
ROFINET interface	[X1]\Digital inputs\Channel6\	"		lle.	la la
nable falling edge etection	0	RidPrefixFallingEdg- eEvent	49286	Event name:	0
lardware interrupt:	0 [X1]\Digital inputs\Channel7	Falling edge6	Falling edge6		
Channel address	10.7	Input filters	6.4 millisec	Enable pulse catch	0
ROFINET interface inable rising edge	[X1]\Digital inputs\Channel7\	RidPrefixRisingEdg-	49159	Event name:	0
letection lardware interrupt:	0	eEvent Rising edge7	Rising edge7		
ROFINET interface	[X1]\Digital inputs\Channel7\				
nable falling edge letection	0	RidPrefixFallingEdg- eEvent	49287	Event name:	0
lardware interrupt:	0 [X1]\Analog inputs\Noise reduction	Falling edge7	Falling edge7		
ntegration time	50 Hz (20 ms)				
ROFINET interface Channel address	[X1]\Analog inputs\Channel0 IW64	Measurement type	Voltage	Voltage range	010 V
moothing	Weak (4 cycles)			Enable overflow diagnostics	1
	[X1]\Analog inputs\Channel1		he is		
Channel address Smoothing	IW66 Weak (4 cycles)	Measurement type	Voltage	Voltage range Enable overflow di-	010 V 1
ROFINET interface	[X1]\Digital outputs			agnostics	
teaction to CPU	Use substitute value	Reaction to CPU STOP	Use substitute value		
ROFINET interface	[X1]\Digital outputs\Channel0				
	000	Cubatituta a valua	0		Q4.0
Channel address	Q0.0	Substitute a value of 1 on a change		Channel address	45
Channel address				Channel address	V 100
ubstitute a value f 1 on a change	0	of 1 on a change		Channel address	
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface		of 1 on a change		Channel address	
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface	0	of 1 on a change from RUN to STOP. Substitute a value of 1 on a change	0	Channel address	Q4.1
Substitute a value of 1 on a change rom RUN to STOP. PROFINET interface Channel address	0 [X1]\Digital outputs\Channel1	of 1 on a change from RUN to STOP. Substitute a value	0		
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value f 1 on a change	0 [X1]\Digital outputs\Channel1 Q0.1	of 1 on a change from RUN to STOP. Substitute a value of 1 on a change	0		
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP.	0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2	of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.		Channel address	Q4.1
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface thannel address substitute a value of 1 on a change rom RUN to STOP.	0 [X1]\Digital outputs\Channel1 Q0.1	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	0		
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address	0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2	of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.		Channel address	Q4.1
ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change	0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2	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		Channel address	Q4.1
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP.	[X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3	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.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface of 1 on a change rom RUN to STOP. ROFINET interface	0 [X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2	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.		Channel address	Q4.1
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP.	[X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3	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.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface thannel address ubstitute a value f 1 on a change rom RUN to STOP.	[X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3 Q0.3	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.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface of 1 on a change rom RUN to STOP. ROFINET interface	[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	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. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address ubstitute a value of 1 on a change rom RUN to STOP. ROFINET interface of 1 on a change rom RUN to STOP. ROFINET interface	[X1]\Digital outputs\Channel1 Q0.1 0 [X1]\Digital outputs\Channel2 Q0.2 0 [X1]\Digital outputs\Channel3 Q0.3	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.	0	Channel address Channel address	Q4.1 Q4.2
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address	[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	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. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address	Q4.1 Q4.2
substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address substitute a value of 1 on a change rom RUN to STOP. ROFINET interface channel address	[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	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. Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address	[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\Channel5 Q0.5	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. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address	Q4.1 Q4.2
ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change rom RUN to STOP. ROFINET interface hannel address	[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\Channel5 Q0.5 [X1]\Digital outputs\Channel5	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. Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address Channel address	Q4.1 Q4.2
ubstitute a value f 1 on a change om RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change om RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change om RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change om RUN to STOP. ROFINET interface hannel address ubstitute a value f 1 on a change om RUN to STOP. ROFINET interface hannel address	[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\Channel5 Q0.5	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. Substitute a value of 1 on a change from RUN to STOP. Substitute a value of 1 on a change from RUN to STOP.	0	Channel address Channel address	Q4.1 Q4.2

Totally Integrated Automation Porta					
Start address	X1]\I/O addresses\Input addresses 0 0	End address	0	Organization block	0
PROFINET interface [Start address	X1]\I/O addresses\Output addresses	End address	0	Organization block	0
PROFINET interface [X1]\Advanced options\Interface op True	Permit overwriting of device names of all assigned IO devi-	False	Use IEC V2.2 LLDP mode	False
um Send keepalives for connections	30s	ces			
	X1]\Advanced options\Real time se 1.000ms	ettings\IO communica	tion		
PROFINET interface [X1]\Advanced options\Real time se	ettings\Real time opti	ons		
width for cyclic IO data:	0.000ms				
PROFINET interface [Name	X1]\Advanced options\Port [X1 P1] Port_1	\General Author	admin	Comment	
	X1]\Advanced options\Port [X1 P1]			Comment	
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1]	Medium:	Copper	Cable name:	
			S		
_	X1]\Advanced options\Port [X1 P1]		,	Dautuseum	CCM 1277 11CCM ANGE :
	Monitoring of partner port is not possible	Alternative partners	Faise	Partner port:	CSM 1277_1\SCALANCE interface [X1]\Port_1 [X1 P1]
	Copper	Cable length:			
Activate this port for use					
PROFINET interface [Transmission rate /	X1]\Advanced options\Port [X1 P1]	\Port options\Connec Monitor	False	Enable autonegotia-	Тпіе
duplex:	X1]\Advanced options\Port [X1 P1]		ries	tion	False
accessible devices	raise	covery	raise	main	raise
Hardware identifier	X1]\Advanced options\Port [X1 P1] 65 X1]\Web server access	\Hardware identifier\	Hardware identifier		
using this interface	False	The Web server must also be activated in the properties of the PLC.			
_	X1]\Hardware identifier\Hardware				
Hardware identifier	257 (HSC)\HSC1\General\Enable	Hardware identifier	64		
Enable this high speed counter	0 (HSC)\HSC1\General\Project inform	nation			
	HSC_1	Comment			
	(HSC)\HSC1\Function				
71	Count User program (internal direction	Operating phase Initial counting di-	Single phase Count up		
is specified by	control)	rection			
Frequency measur- ing period	-l-sec				
	(HSC)\HSC1\Reset to initial values	Reset values			
Initial counter value High speed counters	0 (HSC)\HSC1\Reset to initial values)	Initial reference val- ue Reset options	0		
	0	Reset signal level	-/-		
input	/USC/VISC1\Fivent configuration\				
Generate interrupt	(HSC)\HSC1\Event configuration\ 0	RidPrefixCvEqualsPv	49152	Event name:	0
for counter value					
equals reference value event.					
Hardware interrupt:	0		Counter value equal to reference	ValueNull	0
ValueNull	0	to reference value0 EventPriority	value0 6		
	(HSC)\HSC1\Event configuration\	LVEHILFHOHILY	O		
Generate interrupt for external reset event.	0	RidPrefixExternalRe- set	49408	Event name:	0
Hardware interrupt: ValueNull High speed counters	0 0 (HSC)\HSC1\Event configuration\	External reset0 EventPriority	External reset0 6	ValueNull	0
Generate interrupt for change of direc- tion event.		RidPrefixDirection- Change	49280	Event name:	0
Hardware interrupt: ValueNull	0	Change of direction0 EventPriority	Change of direction0	ValueNull	0

	(HSC)\HSC1\Hardware inputs\				
lock generator in- ut		HSCInput0_Status	1	Direction input	
_		Adapter name the user control should	HscChannel. Address String	Adapter name the user control should	HscChannel.SpeedAndSourceDisplay
		use for the address string		use for the Spee- dAndSourceDisplay	p. 3)
ser control should se for the Output	HscChannel. Output Source				
ource	(HSC)\HSC1\Hardware inputs\				
irection input		HSCInput1_Status	1	Clock generator in-	
				put	
eset 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.SpeedAndSourceDis play
user control should use for the Output Source	HscChannel. Output Source				
-	(HSC)\HSC1\Hardware inputs\		l.		
Reset input		HSCInput2_Status	1	Clock generator in- put	
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.SpeedAndSourceDis play
Adapter name the user control should use for the Output Source	HscChannel.OutputSource				
	(HSC)\HSC1\I/O addresses\Input ac		1002	Ounce in the little	
	1000 0	End address	1003	Organization block	U
. c cccagc	(HSC)\HSC1\Hardware identifier\H	ardware identifier			
lardware identifier					
	(HSC)\HSC2\General\Enable				
nable this high peed counter	1				
	(HSC)\HSC2\General\Project inform	nation			
	HSC_2	Comment			
igh speed counters	(HSC)\HSC2\Function	"			
• • • • • • • • • • • • • • • • • • • •	Frequency	Operating phase	Single phase		
	User program (internal direction	Initial counting di-	Count up		
· · · · · · · · · · · · · · · · · · ·	control) 1.0sec	rection			
ng period					
ligh speed counters nitial counter value	(HSC)\HSC2\Reset to initial values\ 0	Reset values Initial reference val-	0		
Bul	(1155)11552) B	ue			
Jse external reset	(HSC)\HSC2\Reset to initial values\		- -		
nput	0	Reset signal level	-1-		
•	(HSC)\HSC2\Event configuration\				
enerate interrupt	0	RidPrefixCvEqualsPv	49152	Event name:	0
or counter value quals reference					
alue event. lardware interrupt:	0	Counter value equal	Counter value equal to reference	ValueNull	0
/alueNull	0	to reference value1 EventPriority	value1		
	(HSC)\HSC2\Event configuration\	_			
ienerate interrupt or external reset vent.	0	RidPrefixExternalRe- set	49408	Event name:	0
lardware interrupt:	0	External reset1	External reset1	ValueNull	0
	0	EventPriority	6		
ligh speed counters senerate interrupt or change of direc-	(HSC)\HSC2\Event configuration\ 0	RidPrefixDirection- Change	49280	Event name:	0
ion event. lardware interrupt:	0	Change of direc-	Change of direction1	ValueNull	0
'alueNull	0	tion1	6		
	0 (HSC)\HSC2\Hardware inputs\	EventPriority	6		
-	%10.2	HSCInput0_Status	1	Direction input	
ut					
eset ilipat		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				
	(HSC)\HSC2\Hardware inputs\				
Direction input		HSCInput1_Status	1	Clock generator in-	%10.2
Reset input		Adapter name the user control should	HscChannel.AddressString		HscChannel.SpeedAndSourceDisplay
		use for the address string		use for the Spee- dAndSourceDisplay	

dapter name the	U. Cl	1			
ser control should se for the Output ource	HscChannel.OutputSource				
-	(HSC)\HSC2\Hardware inputs\				0/10 0
eset input		HSCInput2_Status	1	Clock generator in- put	%10.2
irection input		Adapter name the user control should use for the address	HscChannel.AddressString	Adapter name the user control should use for the Spee-	HscChannel.SpeedAndSourceDisplay
dapter name the ser control should se for the Output	HscChannel.OutputSource	string		dAndSourceDisplay	
ource					
	(HSC)\HSC2\I/O addresses\Input ad		1007		
tart address rocess image	0	End address	1007	Organization block	U
	(HSC)\HSC2\Hardware identifier\H	ardware identifier			
ardware identifier	I .				
	(HSC)\HSC3\General\Enable				
nable this high peed counter	0				
	(HSC)\HSC3\General\Project inforn	nation			
ame	HSC_3	Comment			
ign speed counters ype of counting	(HSC)\HSC3\Function Count	Operating phase	Single phase		
· · · · · · · · · · · · · · · · · · ·	User program (internal direction	Initial counting di-	Count up		
specified by requency measur-	control) -/-sec	rection			
ng period igh speed counters nitial counter value	(HSC)\HSC3\Reset to initial values\ 0	Reset values Initial reference val- ue	0		
	(HSC)\HSC3\Reset to initial values\				
se external reset iput		Reset signal level	-/-		
ligh speed counters enerate interrupt	(HSC)\HSC3\Event configuration\	RidPrefixCvEqualsPv	40152	Event name:	0
or counter value quals reference		NiurielixCvequaisrv	49132	Event name.	
alue event. ardware interrupt:		to reference value2		ValueNull	0
alueNull	0 (HSC)\HSC3\Event configuration\	EventPriority	6		
enerate interrupt		RidPrefixExternalRe-	49408	Event name:	0
or external reset vent.		set			
ardware interrupt: alueNull	0 (HSC)\HSC3\Event configuration\	External reset2 EventPriority	External reset2 6	ValueNull	0
enerate interrupt or change of direc-		RidPrefixDirection- Change	49280	Event name:	0
on event. ardware interrupt:	0	Change of direc-	Change of direction2	ValueNull	0
araware mierrapi.		tion2	change of an ection2	Variationali	
alueNull	0	EventPriority	6		
	(HSC)\HSC3\Hardware inputs\	HSCInput0_Status	1	Direction input	
		niscinputo_status	'	Direction input	
lock generator in- ut					
•		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
ut	 HscChannel.OutputSource	user control should use for the address	HscChannel.AddressString	user control should use for the Spee-	
ut eset input dapter name the ser control should se for the Output ource igh speed counters	HscChannel.OutputSource (HSC)\HSC3\Hardware inputs\	user control should use for the address string	HscChannel.AddressString	user control should use for the Spee- dAndSourceDisplay	
ut eset input dapter name the ser control should se for the Output ource	·	user control should use for the address	HscChannel.AddressString	user control should use for the Spee- dAndSourceDisplay	
ut eset input dapter name the ser control should se for the Output ource igh speed counters	·	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address	HscChannel.AddressString 1 HscChannel.AddressString	user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the Speed	
ut eset input dapter name the ser control should se for the Output ource igh speed counters irection input eset input dapter name the ser control should se for the Output	·	user control should use for the address string HSCInput1_Status Adapter name the user control should	1	user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should	HscChannel.SpeedAndSourceDis
ut eset input dapter name the ser control should se for the Output ource igh speed counters irection input eset input dapter name the ser control should se for the Output ource igh speed counters	(HSC)\HSC3\Hardware inputs\	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address string	1	user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDis
ut eset input dapter name the ser control should se for the Output ource igh speed counters irection input eset input dapter name the ser control should se for the Output ource igh speed counters eset input	(HSC)\HSC3\Hardware inputs\ HscChannel.OutputSource	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address string HSCInput2_Status	1 HscChannel.AddressString	user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input	HscChannel.SpeedAndSourceDisplay
ut eset input dapter name the ser control should se for the Output ource igh speed counters irection input eset input dapter name the ser control should se for the Output ource igh speed counters	(HSC)\HSC3\Hardware inputs\ HscChannel.OutputSource	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address string HSCInput2_Status Adapter name the user control should use for the address	1	Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedandSourceDisplay	HscChannel.SpeedAndSourceDisplay
dapter name the ser control should se for the Output ource igh speed counters irection input dapter name the ser control should se for the Output ource igh speed counters eset input dapter name the ser control should se for the Output ource igh speed counters eset input irection input	(HSC)\HSC3\Hardware inputs\ HscChannel.OutputSource	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address string HSCInput2_Status Adapter name the user control should string	1 HscChannel.AddressString	Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should	HscChannel.SpeedAndSourceDisplay HscChannel.SpeedAndSourceDisplay
dapter name the ser control should se for the Output ource igh speed counters irection input dapter name the ser control should se for the Output ource igh speed counters eset input irection input dapter name the ser control should se for the Output ource igh speed counters eset input irection input	(HSC)\HSC3\Hardware inputs\ HscChannel.OutputSource (HSC)\HSC3\Hardware inputs\	user control should use for the address string HSCInput1_Status Adapter name the user control should use for the address string HSCInput2_Status Adapter name the user control should use for the address string	1 HscChannel.AddressString	Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedAndSourceDisplay Clock generator input Adapter name the user control should use for the SpeedandSourceDisplay	HscChannel.SpeedAndSourceDisplay HscChannel.SpeedAndSourceDisplay

Totally Integrated Automation Porta					
Hardware identifier	(HSC)\HSC3\Hardware identifier\Ha 261 (HSC)\HSC4\General\Enable	ardware identifier			
speed counter	0 (HSC)\HSC4\General\Project inform	aation			
	HSC_4	Comment			
	(HSC)\HSC4\Function	On anatin a mh a a	Cinala abana		
J1 J	Count User program (internal direction	Operating phase Initial counting di-	Single phase Count up		
is specified by	control) -/-sec	rection			
ing period					
High speed counters Initial counter value	(HSC)\HSC4\Reset to initial values\ 0	Initial reference val-	0		
High speed counters	(HSC)\HSC4\Reset to initial values\	ue Reset options			
Use external reset input			-/-		
High speed counters	(HSC)\HSC4\Event configuration\				
Generate interrupt for counter value	0	RidPrefixCvEqualsPv	49152	Event name:	0
equals reference					
value event.	0	Carratanicalisa anual	Ca	ValueNull	0
Hardware interrupt:	U	to reference value3	Counter value equal to reference value3	valuenuli	
	0	EventPriority	6		
High speed counters Generate interrupt	(HSC)\HSC4\Event configuration\	RidPrefixExternalRe-	49408	Event name:	0
for external reset event.		set	12700	Event name.	
Hardware interrupt:		External reset3	External reset3	ValueNull	0
ValueNull	0 (HSC)\HSC4\Event configuration\	EventPriority	6		
Generate interrupt		RidPrefixDirection-	49280	Event name:	0
for change of direction event.		Change			
Hardware interrupt:	0	Change of direction3	Change of direction3	ValueNull	0
ValueNull	0	EventPriority	6		
	(HSC)\HSC4\Hardware inputs\	LICCIanato Chatas	4	Discretion in set	
Clock generator in- put		HSCInput0_Status		Direction input	
Reset input		Adapter name the	HscChannel.AddressString	Adapter name the	HscChannel.SpeedAndSourceDis-
		user control should use for the address		user control should use for the Spee-	play
A.I A	II. Ch I O to to .	string		dAndSourceDisplay	
user control should use for the Output	HscChannel.OutputSource				
Source High speed counters	(HSC)\HSC4\Hardware inputs\				
Direction input		HSCInput1_Status	1	Clock generator in-	
Reset input		Adapter name the	HscChannel.AddressString	put Adapter name the	HscChannel.SpeedAndSourceDis-
neset input		user control should	insection metal to determine	user control should	play
		use for the address string		use for the Spee- dAndSourceDisplay	
user control should use for the Output	HscChannel.OutputSource	<u> </u>		<u> </u>	
Source High speed counters	(HSC)\HSC4\Hardware inputs\				
Reset input		HSCInput2_Status	1	Clock generator in-	
Direction input		Adapter name the	HscChannel.AddressString	put Adapter name the	HscChannel.SpeedAndSourceDis-
Direction input		user control should use for the address	riscendinien, taaresssamig	user control should use for the Spee-	play
		string		dAndSourceDisplay	
Adapter name the user control should use for the Output	HscChannel.OutputSource				
Source High speed counters	(HSC)\HSC4\I/O addresses\Input ad	dresses			
Start address	1012	End address	1015	Organization block	0
	0				
High speed counters Hardware identifier	(HSC)\HSC4\Hardware identifier\H	ardware identifier			
	(HSC)\HSC5\General\Enable				
Enable this high	0				
speed counter High speed counters	(HSC)\HSC5\General\Project inform	nation			
Name	HSC_5	Comment			
	(HSC)\HSC5\Function	On a settle	Cinala ali		
	Count User program (internal direction	Operating phase Initial counting di-	Single phase Count up		
	control)	rection	Count up		
, ,	-/-sec				
ing period High speed counters	(HSC)\HSC5\Reset to initial values\	Reset values			
Initial counter value		Initial reference val-	0		
		ue			

Totally Integrated Automation Porta						
High speed counters	(HSC)	\HSC5\Reset to initial values\F	Reset options			
Use external reset input			Reset signal level	-/-		
Generate interrupt for counter value equals reference		\\HSC5\Event configuration\	RidPrefixCvEqualsPv	49152	Event name:	0
value event. Hardware interrupt: ValueNull	0		to reference value4	Counter value equal to reference value4	ValueNull	0
	•	\\HSC5\Event configuration\	Eventi Hority	0		
Generate interrupt for external reset event.		_	RidPrefixExternalRe- set	49408	Event name:	0
Hardware interrupt: ValueNull	0		External reset4 EventPriority	External reset4	ValueNull	0
		\\HSC5\Event configuration\			-	I-
Generate interrupt for change of direction event.	O		RidPrefixDirection- Change	49280	Event name:	0
Hardware interrupt:	0			Change of direction4	ValueNull	0
ValueNull	n		tion4 EventPriority	6		
	(HSC)	\\HSC5\Hardware inputs\				
J-11-11-11-11-11-11-11-11-11-11-11-11-11			HSCInput0_Status	1	Direction input	
put Reset input			Adapter name the	HscChannel. Address String	Adapter name the	HscChannel.SpeedAndSourceDis-
			user control should use for the address string		user control should use for the Spee- dAndSourceDisplay	play
Adapter name the user control should use for the Output Source	HscCl	nannel.OutputSource				
High speed counters	(HSC)	\\HSC5\Hardware inputs\				
Direction input			HSCInput1_Status	1	Clock generator in-	
Reset input			Adapter name the	HscChannel.AddressString	put Adapter name the	HscChannel.SpeedAndSourceDis-
neset input			user control should use for the address string	riscentime Address 5 timig	user control should use for the Spee- dAndSourceDisplay	play
Adapter name the user control should use for the Output Source	HscCl	nannel.OutputSource				
	(HSC))\HSC5\Hardware inputs\		l.		T.
Reset input			HSCInput2_Status	1	Clock generator in- put	
Direction input			Adapter name the user control should use for the address	HscChannel.AddressString	Adapter name the user control should use for the Spee-	HscChannel. Speed And Source Display
user control should	HscCl	nannel.OutputSource	string		dAndSourceDisplay	
use for the Output Source	(HCC))\HSC5\I/O addresses\Input add	drassas			
	1016		End address	1019	Organization block	0
	0					
Hardware identifier	263)\HSC5\Hardware identifier\Ha	ardware identifier			
Enable this high	(HSC ,)\HSC6\General\Enable				
speed counter High speed counters	(HSC))\HSC6\General\Project inform	ation			
	HSC_		Comment			
High speed counters				e: 1 1		
71	Coun	t program (internal direction	Operating phase Initial counting di-	Single phase Count up		
is specified by Frequency measur-	contr -/-sec	ol)	rection	Count up		
ing period High speed counters	(HSC))\HSC6\Reset to initial values\F	Reset values			
Initial counter value	0		Initial reference val- ue	0		
Use external reset input	0		•	-/-		
High speed counters Generate interrupt		\\HSC6\Event configuration\	RidPrefixCvEqualsPv	49152	Event name:	0
for counter value equals reference value event.	U		KiurreiixCvequaisrv	49152	Event name.	
Hardware interrupt:			to reference value5		ValueNull	0
	0 (HSC))\HSC6\Event configuration\	EventPriority	6		
Generate interrupt for external reset			RidPrefixExternalRe- set	49408	Event name:	0
event.	0		Evternal resets	Evternal resets	ValueNull	0
Hardware interrupt: ValueNull	0		External reset5 EventPriority	External reset5 6	ValueNull	U

Totally Integrated						
Automation Porta						
	(100)110001					
	(HSC)\HSC6\Event configuration\	RidPrefixDirection-	40300	F	0	
Generate interrupt for change of direc-		Change	49280	Event name:	0	
tion event.						
Hardware interrupt:	0	Change of direc-	Change of direction5	ValueNull	0	
ValueNull	0	tion5 EventPriority	6			
	(HSC)\HSC6\Hardware inputs\	Evenu noney				
Clock generator in-		HSCInput0_Status	1	Direction input		
put					1	
Reset input		Adapter name the user control should	HscChannel.AddressString	Adapter name the user control should	HscChan play	nel.SpeedAndSourceDis-
		use for the address		use for the Spee-	pray	
		string		dAndSourceDisplay		
Adapter name the user control should	HscChannel.OutputSource					
use for the Output						
Source						
	(HSC)\HSC6\Hardware inputs\	lucci ia ci i				
Direction input		HSCInput1_Status	1	Clock generator in- put		
Reset input		Adapter name the	HscChannel.AddressString	Adapter name the	HscChan	nel.SpeedAndSourceDis-
		user control should		user control should	play	
		use for the address string		use for the Spee- dAndSourceDisplay		
Adapter name the	HscChannel.OutputSource	Jamig		ar triasour cesispiay		
user control should	·					
use for the Output Source						
	(HSC)\HSC6\Hardware inputs\					
Reset input		HSCInput2_Status	1	Clock generator in-		
		. –		put		
Direction input		Adapter name the	HscChannel. Address String	Adapter name the		nel.SpeedAndSourceDis-
		user control should use for the address		user control should use for the Spee-	play	
		string		dAndSourceDisplay		
1 '	HscChannel.OutputSource					
user control should use for the Output						
Source						
	(HSC)\HSC6\I/O addresses\Input ad	ddresses				
	1020	End address	1023	Organization block	0	
Process image	0					
High speed counters Hardware identifier	(HSC)\HSC6\Hardware identifier\H	ardware identifier				
	204					
	O/PWM)\PTO1/PWM1\General\Enak	ole				
	O/PWM)\PTO1/PWM1\General\Enak	ole				
Pulse generators (PT Enable this pulse generator	1					
Pulse generators (PT Enable this pulse generator Pulse generators (PT	1 O/PWM)\PTO1/PWM1\General\Projo	ect information				
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name	1 O/PWM)\PTO1/PWM1\General\Projo Pulse_1	ect information Comment	nc			
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT	1 O/PWM)\PTO1/PWM1\General\Projo	ect information Comment	o ns Milliseconds	Pulse duration for-	S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM	ect information Comment signment\Pulse optio Time base:	Milliseconds	Pulse duration for- mat	S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type	1 O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as	ect information Comment signment\Pulse option Time base: Initial pulse dura-			S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms	ect information Comment signment\Pulse option Time base: Initial pulse dura- tion	Milliseconds		S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM	ect information Comment signment\Pulse option Time base: Initial pulse dura- tion	Milliseconds		S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0	ect information Comment Signment\Pulse option Time base: Initial pulse duration tputs	Milliseconds		S7 analo	g format
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse generat	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou	ect information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\	Milliseconds 14000S7 analog format	mat		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse generat	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0	ect information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Sta-	Milliseconds	Mat Adapter name the		g format annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse generat	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou	ect information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\	Milliseconds 14000S7 analog format	Adapter name the user control should use for the address		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0	ect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs PulseOutput1_Status	Milliseconds 14000S7 analog format 1	Adapter name the user control should		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the	1 O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDis-	cect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the	Milliseconds 14000S7 analog format	Adapter name the user control should use for the address		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Spee-	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0	ect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs PulseOutput1_Status	Milliseconds 14000S7 analog format 1	Adapter name the user control should use for the address		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay	O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	cect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source	Milliseconds 14000S7 analog format 1	Adapter name the user control should use for the address		
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT Pulse generators (PT Pulse generators (PT Pulse output Pulse generators (PT Pulse generators (P	1 O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDis-	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Sta-	O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	cect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source	Milliseconds 14000S7 analog format 1	Adapter name the user control should use for the address string Adapter name the	PulseCha	
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT Pulse generators (PT Pulse generators (PT Pulse output Pulse generators (PT Pulse generators (P	O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status	O/PWM)\PTO1/PWM1\General\Project Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0	Adapter name the user control should use for the address string Adapter name the user control should	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status	1 O/PWM)\PTO1/PWM1\General\Proje Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse Generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse Generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay	O/PWM)\PTO1/PWM1\General\Projo Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay	cect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Adapter name the user control should use for the Output Source	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status	O/PWM)\PTO1/PWM1\General\Project Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay	cct information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status	O/PWM)\PTO1/PWM1\General\Project Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000	cect information Comment ssignment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Adapter name the user control should use for the Output Source	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT Start address Process image	O/PWM)\PTO1/PWM1\General\Project Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses play O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stout adapter name the user control should use for the Output Source stout adapter name the user control should use for the Output Source stout addresses End address	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT Start address Process image	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stout adapter name the user control should use for the Output Source stout adapter name the user control should use for the Output Source stout addresses End address	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stoucketputs\ Pulse output Adapter name the user control should use for the Output Source stoucketputs Source stoutput addresses End address	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stoucketputs\ Pulse output Adapter name the user control should use for the Output Source stoucketputs Source stoutput addresses End address	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT PulseOutput2_Sta- tus Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source s\Output addresses End address entifier\Hardware ide	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Enable this pulse generator	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source s\Output addresses End address entifier\Hardware ide	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed dAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed dAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Enable this pulse generator Pulse generators (PT Name	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses play O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stource s	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier	Adapter name the user control should use for the address string Adapter name the user control should use for the address string	PulseCha	annel. Address String
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Name	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM2\General\Projo Pulse_2	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stource s	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block Pulse duration for-	PulseCha	annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the Speed AndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO2/PWM2\General\Enabor 0 O/PWM)\PTO2/PWM2\General\Projo Pulse_2 O/PWM)\PTO2/PWM2\Parameter as PWM	cect information Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stoutput addresses End address entifier\Hardware ide cect information Comment signment\Pulse option Time base:	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier Milliseconds	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block	PulseCha PulseCha	annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Speed And Source Display Pulse generators (PT Pulse Output2_Status Adapter name the user control should use for the Speed And Source Display Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pt Name P	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM2\General\Projo 1000 0 O/PWM)\PTO1/PWM2\General\Projo 1000 0 O/PWM)\PTO1/PWM2\Parameter as	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source stoutput addresses End address entifier\Hardware ide cct information Comment signment\Pulse option Time base: Initial pulse dura-	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block Pulse duration for-	PulseCha PulseCha	annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT PulseOutput2_Status Adapter name the user control should use for the SpeedAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time	O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO2/PWM2\General\Enabor 0 O/PWM)\PTO2/PWM2\General\Projo Pulse_2 O/PWM)\PTO2/PWM2\Parameter as PWM	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source s\Output addresses End address entifier\Hardware ide cct information Comment signment\Pulse option Time base: Initial pulse duration	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier Milliseconds	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block Pulse duration for-	PulseCha PulseCha	annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT PulseOutput2_Sta- tus Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Signal type Cycle time Pulse generators (PT Signal type Cycle time	1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses play O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\Hardware ide 265 O/PWM)\PTO2/PWM2\General\Enal 0 O/PWM)\PTO2/PWM2\General\Proje Pulse_2 O/PWM)\PTO2/PWM2\Parameter as PWM 100ms	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source s\Output addresses End address entifier\Hardware ide cct information Comment signment\Pulse option Time base: Initial pulse duration	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier Milliseconds	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block Pulse duration for-	PulseCha PulseCha	annel.AddressString
Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT PulseOutput2_Sta- tus Adapter name the user control should use for the Spee- dAndSourceDisplay Pulse generators (PT Start address Process image Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Enable this pulse generator Pulse generators (PT Signal type Cycle time Pulse generators (PT Signal type	1 O/PWM)\PTO1/PWM1\Parameter as PWM 40ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\Hardware ou 1 PulseChannel.SpeedAndSourceDisplay O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO1/PWM1\I/O addresses 1000 0 O/PWM)\PTO2/PWM2\General\Enabo 0 O/PWM)\PTO2/PWM2\General\Proja Pulse_2 O/PWM)\PTO2/PWM2\Parameter as PWM 100ms O/PWM)\PTO2/PWM2\Hardware ou	cct information Comment signment\Pulse option Time base: Initial pulse duration tputs PulseOutput1_Status Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source tputs\ Pulse output Adapter name the user control should use for the Output Source s\Output addresses End address entifier\Hardware ide cct information Comment signment\Pulse option Time base: Initial pulse duration	Milliseconds 14000S7 analog format 1 PulseChannel.OutputSource %Q4.0 PulseChannel.OutputSource 1001 ntifier Milliseconds	Adapter name the user control should use for the address string Adapter name the user control should use for the address string Organization block Pulse duration for-	PulseCha PulseCha	annel.AddressString

	O/PWM)\PTO2/PWM2\Hardware o		4	A danta managa tha	D. I. Charal Address Chica
ulse output	%Q4.2	PulseOutput1_Sta- tus	1	Adapter name the user control should use for the address string	Pulse Channel. Address String
dapter name the ser control should se for the Spee- AndSourceDisplay	PulseChannel.SpeedAndSourceDisplay	Adapter name the user control should use for the Output Source	Pulse Channel. Output Source		
	O/PWM)\PTO2/PWM2\Hardware o				
ulse Output 2_Sta- us	1	Pulse output	%Q4.2	Adapter name the user control should use for the address string	Pulse Channel. Address String
Adapter name the user control should use for the Spee-HAndSourceDisplay	PulseChannel.SpeedAndSourceDis play	Adapter name the user control should use for the Output Source	PulseChannel.OutputSource		
tart address	1002	End address	1003	Organization block	0
Process image	0				
Pulse generators (PT Hardware identifier	O/PWM)\PTO2/PWM2\Hardware id	lentifier\Hardware ider	ntifier		
	266 <mark>'O/PWM)\PTO3/PWM3\General\Ena</mark>	hle			
nable this pulse	0	bie			
generator	COUDINANTOS (DINANTS) Como roll Pro	iast information			
vuise generators (PT Name	TO/PWM)\PTO3/PWM3\General\Pro	Comment			
	O/PWM)\PTO3/PWM3\Parameter a		ns		
ignal type	PWM	Time base:	Milliseconds	Pulse duration for-	Hundredths
Cycle time	100ms	Initial pulse dura-	50Hundredths	mat	
		tion			
Pulse generators (PT Enable direction	TO/PWM)\PTO3/PWM3\Hardware o	utputs			
utput					
	O/PWM)\PTO3/PWM3\Hardware o		1	A d = m + = 11 - 12 - 13 - 14	DulcoChannel Add Co.
ulse output	%Q4.0	PulseOutput1_Sta- tus	1	Adapter name the user control should use for the address string	Pulse Channel. Address String
Adapter name the user control should use for the Spee-IAndSourceDisplay	PulseChannel.SpeedAndSourceDis play	Adapter name the user control should use for the Output Source	Pulse Channel. Output Source		
	O/PWM)\PTO3/PWM3\Hardware o				
PulseOutput2_Sta- us	1	Pulse output	%Q4.0	Adapter name the user control should use for the address string	PulseChannel.AddressString
Adapter name the user control should use for the SpeedandSourceDisplay	PulseChannel.SpeedAndSourceDis play	Adapter name the user control should use for the Output Source	Pulse Channel. Output Source	, <u>s</u>	
Pulse generators (PT	O/PWM)\PTO3/PWM3\I/O address	s\Output addresses			
Start address	1004	End address	1005	Organization block	0
	0	lentifier\Hardware ider	ntifier		
Process image Pulse generators (PT	O/PWM)\PTO3/PWM3\Hardware id	lentiner (naraware laci	itilici		
Pulse generators (PT	TO/PWM)\PTO3/PWM3\Hardware io 267				
Pulse generators (PT Hardware identifier		ble			
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse	267	ble			
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse Jenerator	267 O/PWM)\PTO4/PWM4\General\Ena 0				
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse Jenerator Pulse generators (PT	267 O/PWM)\PTO4/PWM4\General\Ena				
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse Jenerator Pulse generators (PT Jame Pulse generators (PT	267 O/PWM)\PTO4/PWM4\General\End O O/PWM)\PTO4/PWM4\General\Pro Pulse_4 O/PWM)\PTO4/PWM4\Parameter a	ject information Comment assignment\Pulse optio			
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse Jenerator Pulse generators (PT Jame Pulse generators (PT	267 CO/PWM)\PTO4/PWM4\General\Ena 0 CO/PWM)\PTO4/PWM4\General\Pro Pulse_4	ject information	ns Milliseconds	Pulse duration for- mat	Hundredths
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type	267 O/PWM)\PTO4/PWM4\General\End O O/PWM)\PTO4/PWM4\General\Pro Pulse_4 O/PWM)\PTO4/PWM4\Parameter a	ject information Comment comment comment comment Time base: Initial pulse dura-			Hundredths
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction	267 O/PWM)\PTO4/PWM4\General\Ena 0 O/PWM)\PTO4/PWM4\General\Pro Pulse_4 O/PWM)\PTO4/PWM4\Parameter a PWM	ject information Comment assignment\Pulse optio Time base: Initial pulse duration	Milliseconds		Hundredths
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse Jenerator Pulse generators (PT Hame Pulse generators (PT Hignal type Eycle time Pulse generators (PT Enable direction Jutput	267 O/PWM)\PTO4/PWM4\General\Ena 0 O/PWM)\PTO4/PWM4\General\Pro Pulse_4 O/PWM)\PTO4/PWM4\Parameter a PWM 100ms O/PWM)\PTO4/PWM4\Hardware o	ject information Comment comment	Milliseconds		Hundredths
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction putput Pulse generators (PT	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o	ject information Comment comment	Milliseconds	Adapter name the user control should use for the address	Hundredths PulseChannel.AddressString
ulse generators (PT lardware identifier ulse generators (PT nable this pulse lenerator ulse generators (PT lame ulse generators (PT ignal type cycle time ulse generators (PT nable direction output ulse generators (PT nutse output	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o 0 TO/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDis	ject information Comment Comment Institute Initial pulse duration Utputs PulseOutput1_Status Adapter name the	Milliseconds	Adapter name the user control should	
ulse generators (PT lardware identifier ulse generators (PT nable this pulse enerator ulse generators (PT lame ulse generators (PT ignal type Tycle time ulse generators (PT nable direction utput ulse generators (PT ulse output	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o 0 TO/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDis	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs utputs\ PulseOutput1_Status Adapter name the user control should use for the Output	Milliseconds 50Hundredths	Adapter name the user control should use for the address	
ulse generators (PT lardware identifier ulse generators (PT nable this pulse enerator ulse generators (PT lame ulse generators (PT ignal type Tycle time ulse generators (PT nable direction utput ulse generators (PT ulse output udapter name the ser control should se for the Spee- AndSourceDisplay	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o 0 TO/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDisplay	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs utputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source	Milliseconds 50Hundredths	Adapter name the user control should use for the address	
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Eycle time Pulse generators (PT Enable direction putput Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- HAndSourceDisplay Pulse generators (PT PulseOutput2_Sta-	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o 0 TO/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDis	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs utputs\ PulseOutput1_Status Adapter name the user control should use for the Output Source	Milliseconds 50Hundredths	Adapter name the user control should use for the address string Adapter name the user control should use for the address	
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction putput Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- HandSourceDisplay Pulse generators (PT PulseOutput2_Sta- us Adapter name the user control should use for the Spee- Adapter name the user control should use for the Spee-	267 TO/PWM)\PTO4/PWM4\General\Ena 0 TO/PWM)\PTO4/PWM4\General\Pro Pulse_4 TO/PWM)\PTO4/PWM4\Parameter a PWM 100ms TO/PWM)\PTO4/PWM4\Hardware o 0 TO/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDisplay TO/PWM)\PTO4/PWM4\Hardware o 1 PulseChannel.SpeedAndSourceDisplay	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs PulseOutput1_Status Adapter name the user control should use for the Output Source utputs\ Pulse output Adapter name the user control should use for the Output	Milliseconds 50Hundredths 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should	PulseChannel.AddressString
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generators (PT Enable this pulse generators (PT Enable generators (PT Enable direction putput Pulse generators (PT Enable direction putput Pulse generators (PT Enable direction putput Pulse output Pulse output Pulse generators (PT Enable direction putput Pulse generators (PT Enable direction putput Pulse output Pulse output Pulse Generators (PT Enable directions output Generators (PT E	267 **O/PWM)\PTO4/PWM4\General\Ena 0 **O/PWM)\PTO4/PWM4\General\Pro Pulse_4 **O/PWM)\PTO4/PWM4\Parameter a PWM 100ms **O/PWM)\PTO4/PWM4\Hardware o 0 **O/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDisplay **O/PWM)\PTO4/PWM4\Hardware o 1 PulseChannel.SpeedAndSourceDisplay	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs PulseOutput1_Status Adapter name the user control should use for the Output Source utputs\ Pulse output Adapter name the user control should use for the Output Source utputs\ Adapter name the user control should use for the Output Source output Source	Milliseconds 50Hundredths 1 PulseChannel.OutputSource %Q4.2	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseChannel.AddressString
Pulse generators (PT Hardware identifier Pulse generators (PT Enable this pulse generator Pulse generators (PT Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction putput Pulse generators (PT Pulse output Adapter name the user control should use for the Spee- dandSourceDisplay PulseOutput2_Sta- cus Adapter name the user control should use for the Spee- dandSourceDisplay	267 **O/PWM)\PTO4/PWM4\General\Ena 0 **O/PWM)\PTO4/PWM4\General\Pro Pulse_4 **O/PWM)\PTO4/PWM4\Parameter a PWM 100ms **O/PWM)\PTO4/PWM4\Hardware o 0 **O/PWM)\PTO4/PWM4\Hardware o %Q4.2 PulseChannel.SpeedAndSourceDisplay **O/PWM)\PTO4/PWM4\Hardware o	ject information Comment assignment\Pulse optio Time base: Initial pulse duration utputs PulseOutput1_Status Adapter name the user control should use for the Output Source utputs\ Pulse output Adapter name the user control should use for the Output Source utputs\ Adapter name the user control should use for the Output Source output Source	Milliseconds 50Hundredths 1 PulseChannel.OutputSource %Q4.2	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseChannel.AddressString PulseChannel.AddressString

Totally Integrated Automation Porta							
	O/PWM)\PTO4/PWM4\Hardware ide	entifier\Hardware ider	ntifier				
Hardware identifier Startup	268						
Startup after POWER	Warm restart - mode before POWER OFF	Comparison preset to actual configura- tion	Startur	o CPU even if mismatch	Configuration time for central and distributed I/O	60000m	ns
OBs should be inter- ruptible Cycle	1						
Cycle monitoring time	150ms				Enable minimum cy cle time for cyclic OBs	/- 0	
Minimum cycle time	1					-	
Communication load	20%						
communication							
_	emory\System memory bits	Address of system	1		First cycle		
system memory		memory byte (MBx)			i iist cycle		
byte Diagnostic status changed		Always 1 (high)			Always 0 (low)		
System and clock me	emory\Clock memory bits						
Enable the use of clock memory byte	0	Address of clock memory byte (MBx)	0		10 Hz clock		
5 Hz clock		2.5 Hz clock			2 Hz clock		
1.25 Hz clock		1 Hz clock			0.625 Hz clock		
0.5 Hz clock							
Web server\General Activate Web server	False	Permit access only	True				
on all modules of	, also	with HTTPS	iiuc				
this device							
Web server\Automat Enable automatic	True	Update interval	0s				
update		- - - - - - - - - -					
Web server\User inte				Haninton of a colon way			
Assign project langu English (United States				User interface languages German			
English (United States	*			English			
English (United States	·			French			
English (United States English (United States	•			Spanish Italian			
English (United States				Chinese (simplified)			
Web server\User man							
User name				User rights			
Everybody Web server\User defi	ned web pages						
Everybody Web server\User defi Application name	ned web pages HTML source path	Default HTML page		Files with dynamic content	Web DB number	Fi	ragment DB number
Web server\User defi Application name	HTML source path	Default HTML page index.htm		Files with dynamic content	Web DB number		ragment DB number 34
Web server\User defi Application name Web server\Overviev	HTML source path	index.htm		-	333	3:	
Web server\User defi Application name	HTML source path			-		3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langu	HTML source path v of interfaces ages	index.htm Interface		.htm;.html	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langua	HTML source path v of interfaces ages age	index.htm Interface		.htm;.html	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langu Assign project langu English (United States	HTML source path v of interfaces ages age	index.htm Interface		.htm;.html User interface languages German	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langu Assign project langu English (United States English (United States	HTML source path v of interfaces ages age s) s)	index.htm Interface		.htm;.html	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States English (United States English (United States)	HTML source path v of interfaces ages age s) s)	index.htm Interface		User interface languages German English French Spanish	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langu Assign project langu English (United States	HTML source path v of interfaces ages age s) s) s)	index.htm Interface		.htm;.html User interface languages German English French Spanish Italian	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States	HTML source path v of interfaces ages age s) s) s) s)	index.htm Interface		User interface languages German English French Spanish	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States English (United States)	HTML source path v of interfaces ages age s) s) s) s) s) he (UTC +01:00) Berlin, Bern, Brussels,	index.htm Interface		.htm;.html User interface languages German English French Spanish Italian	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States	HTML source path v of interfaces ages age s) s) s) s) s) (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna	index.htm Interface		.htm;.html User interface languages German English French Spanish Italian	333 Enabled web server	3:	
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	HTML source path v of interfaces ages age s) s) s) s) s) c) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1	Interface PROFINET interface_1 Difference between standard and day-light saving time		.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue Assign project langue English (United States English (United States) English (Unite	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 1	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False	access	
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 Starting week of the	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 1	Interface PROFINET interface_1 Difference between standard and day-light saving time		.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	333 Enabled web server	3:	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States Time of day\Local tin Time zone Time of day\Daylight Starting week of the month: at	HTML source path v of interfaces ages age s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna : saving time 1 : 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	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False	access	
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States Time of day\Local tin Time zone Time of day\Daylight Starting week of the month: at	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 1 csaving time\Start of daylight savir Last 01:00 a.m.	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States Time of day\Local tin Time zone Time of day\Daylight Starting week of the month: at	HTML source path v of interfaces ages age s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna : saving time 1 : 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	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False	access	34
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 Time of day\Daylight at Protection	HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States Ime of day\Local tin Time zone Time of day\Daylight Starting week of the month: at Time of day\Daylight at Protection Level of protection	HTML source path v of interfaces ages age s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1 saving time\Start of daylight savir Last 01:00 a.m. saving time\Start of standard time Last 02:00 a.m. No protection	Interface PROFINET interface_1 Difference between standard and day-light saving time and time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
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 Starting week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectice	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 1 csaving time\Start of daylight savir Last 01:00 a.m. csaving 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	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States Time of day\Local tin Time zone Time of day\Daylight Stating week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectic Permit access with PUT/GET communication from remote partner (PLC, HMI,	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 1 csaving time\Start of daylight savir Last 01:00 a.m. csaving 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	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States I'me of day\Local tin Time zone Time of day\Daylight Stating week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectic Permit access with PUT/GET communication from remote partner (PLC, HMI, OPC,)	HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
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\Local tin Time zone Time of day\Daylight Starting week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectic Permit access with PUT/GET communication from remote partner (PLC, HMI, OPC,) Configuration contro Allow to reconfigure	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 1 saving time\Start of daylight savir Last 01:00 a.m. saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms False	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States English (United Stat	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 1 saving time\Start of daylight savir Last 01:00 a.m. saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms False	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
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\Local tin Time zone Time of day\Daylight Starting week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectic Permit access with PUT/GET communication from remote partner (PLC, HMI, OPC,) Configuration contro Allow to reconfigure	HTML source path v of interfaces ages age si	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States I'me of day\Local tin Time zone Time of day\Daylight Stating week of the month: at Time of day\Daylight at Protection Level of protection Protection\Connectic Permit access with PUT/GET communication from remote partner (PLC, HMI, OPC,) Configuration contro Allow to reconfigure the device via the user program Anchor (AddressesO' Inputs	HTML source path v of interfaces ages age s) s) s) s) ne (UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna saving time 1 saving time\Start of daylight savir Last 01:00 a.m. saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms False Ol\Configuration control for central OverviewMenu) True	Interface PROFINET interface_1 Difference between standard and day-light saving time	60min	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March	34
Web server\User defi Application name Web server\Overviev Device PLC_1 User interface langue English (United States English (United Stat	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 1 saving time\Start of daylight savin Last 01:00 a.m. saving time\Start of standard time Last 02:00 a.m. No protection on mechanisms False	Interface PROFINET interface_1 Difference between standard and day-light saving time eng time configuration	60min Sunda	.htm;.html User interface languages German English French Spanish Italian Chinese (simplified)	Enabled web server False of	access March October	34

Totally Integrated
Automation Portal

ype	Addr. from	Addr. to	Module	PIP	DP	PN	Rack	Slot
	0	0	DI 8/DQ 6_1	None	-	-	0	1 1
	64	67	AI 2_1	None	-	-	0	1 2
	1000	1003	HSC_1	None	-	-	0	1 16
	1004	1007	HSC_2	None	-	-	0	1 17
	1008	1011	HSC_3	None	-	-	0	1 18
	1012	1015	HSC_4	None	-	-	0	1 19
	1016	1019	HSC_5	None	-	-	0	1 20
	1020	1023	HSC_6	None	-	-	0	1 21
)	0	0	DI 8/DQ 6_1	None	-	-	0	1 1
)	1000	1001	Pulse_1	None	-	-	0	1 32
0	1002	1003	Pulse_2	None	-	-	0	1 33
C	1004	1005	Pulse_3	None	-	-	0	1 34
O	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

Totally Integrated	
tal	

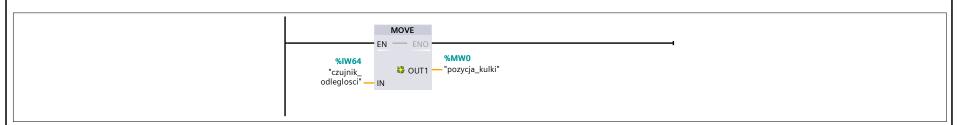
PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Main [OB1]

Main Propertie	S						
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:



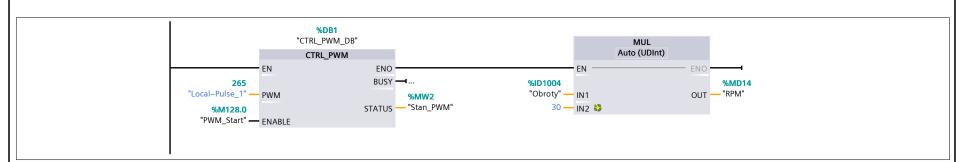
Symbol	Address	Туре	Comment
"czujnik_odleglosci"	%IW64	Word	
"pozycja_kulki"	%MW0	Word	

Network 2:



Symbol	Address	Туре	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	

Integrated	
n Portal	

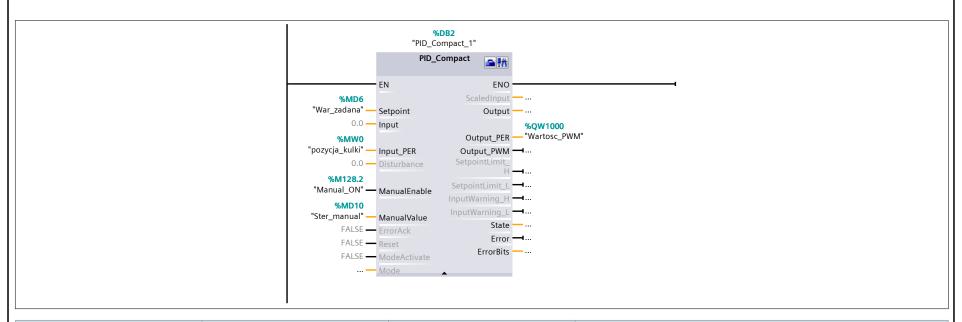
PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Cyclic interrupt [OB30]

Cyclic interrup	t Properties						
General							
Name	Cyclic interrupt	Number	30	Type	OB	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	

ne CTRL_PWM_DB	Number	1	Туре	DB		la	nguage	DB
nbering automatic	Number	, , , , , , , , , , , , , , , , , , ,	Туре	DU		La	nguage	БВ
ion 1.0	Author User-defi ID	SIMATIC ned CTRL_PWM	Comme	nt		Fa	mily	PULSE
ne .	Data type	Start value	Retain	Accessible	Visible in	Setpoint	Comment	
ıput				from HMI	НМІ			
PWM ENABLE	HW_PWM Bool	W#16#0 False	False False		True True	False False		
Output	2001	Taise	laise	Truc	Truc	ruisc		
BUSY STATUS	Bool Word	False W#16#0000	False False		True True	False False		
nOut	Word	W#10#0000	raise	True	True	raise		

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	Type	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						

			<u> </u>				-
ıme	Data type	Default value	Retain	Accessible from HMI	Visible in HMI	Setpoint	Comment
Input							
Setpoint	Real	0.0	Non-retain	True	True	False	controller setpoint input
Input	Real	0.0	Non-retain	True	True	False	actual value of process as R
Input_PER	Int	0	Non-retain	True	True	False	AL actual value of process from
· -							periphery .
Disturbance	Real	0.0	Non-retain	True	True	False	disturbance intrusion
Manual Enable	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 value from process
Output	Real	0.0	Non-retain	True	True	False	output value in REAL forma
Output_PER	Int	0	Non-retain	True	True	False	output value in peripheral
Output_PWM	Bool	FALSE	Non-retain	True	True	False	format pulse width modulated out
SetpointLimit_H	Bool	FALSE	Non-retain	True	True	False	put value setpoint is limited at highe
· –							level
SetpointLimit_L	Bool	FALSE	Non-retain	True	True	False	setpoint is limited at lowes level
InputWarning_H	Bool	FALSE	Non-retain	True	True	False	input value exceeded high 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=INA TIVE,1=SUT,2=TIR,3=AUTO MATIC,4=HAND)
Error	Bool	FALSE	Non-retain	True	True	False	error flag
ErrorBits	DWord	DW#16#0000000	Retain	True	True	False	error message
r InOut							-
Mode	Int	4	Retain	True	True	False	mode selection
Static			Tic tairi	Truc	True	ruisc	mode selection
Internal Diagnostic	DWord	0	Non-retain	False	False	False	internal diagnostic and ver 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 f override control
RunModeByStartup	Bool	TRUE	Non-retain	True	True	True	go to last active state befo reset or power cycle
LoadBackUp	Bool	FALSE	Non-retain	True	True	False	restore last parameter set
SetSubstituteOutput	Bool	TRUE	Non-retain	True	True	True	set output to last valid out value in Replacement Outp state
PhysicalUnit	Int	0	Non-retain	True	True	True	unit of input and setpoint
Physical Quantity	Int	0	Non-retain	True	True	True	physical entity of input and setpoint
ActivateRecoverMode	Bool	TRUE	Non-retain	True	True	True	FALSE - go to inactive by e 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 percen
CurrentSetpoint	Real	0.0	Non-retain	True	True	False	current active setpoint value
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	FALSE	Non-retain	True	True	True	invert control direction
InputUpperLimit	Real	120.0	Non-retain	True	True	True	input (Process Value) uppe
							limit

Totally Integrated
Automation Porta

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

grated	
ation Portal	

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							
	-		•							

me	Data type	Start value	Retain	Accessible	Visible in	Setpoint	Comment
	,			from HMI	НМІ	•	
Input	Real	0.0	False	True	True	False	controller setpoint input
Setpoint							· · ·
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							
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
<u> </u>	Bool	FALSE	False	True	True	False	pulse width modulated output valu
Output_PWM							
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
InputWarning_L	Bool	FALSE	False	True	True	False	level input value exceeded low warning
State	Int	0	False	True	True	False	el status of controller (0=INACTIVE,
			_				1=SUT,2=TIR,3=AUTOMATIC,4=HA
Error	Bool	FALSE	False	True	True	False	error flag
ErrorBits	DWord	DW#16#0000000	True	True	True	False	error message
InOut							
Mode	Int	3	True	True	True	False	mode selection
Static	1110		1140	True	Truc	i disc	mode selection
Internal Diagnostic	DWord	0	False	False	False	False	internal diagnostic and version had dling
InternalVersion	DWord	DW#16#02020001	False	True	True	False	version of controller
InternalRTVersion	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 overs
RunModeByStartup	Bool	TRUE	False	True	True	True	go to last active state before reset power cycle
LoadBackUp	Bool	FALSE	False	True	True	False	restore last parameter set
SetSubstituteOutput	Bool	TRUE	False	True	True	True	set output to last valid output valu 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 setpoi
ActivateRecoverMode	Bool	TRUE	False	True	True	True	FALSE - go to inactive by error, TRU
/ lettratelleto verillode				111111			activate error treatment
Warning	DWord	DW#16#00000000	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
	Real	0.0	False	True	True	False	current active setpoint value
CurrentSetpoint							·
CancelTuningLevel	Real	10.0	False	True	True	True	cancel level for setpoint change du tuning
SubstituteOutput	Real	40.0	False	True	True	True	substitute output value in case of
<u>'</u>	PID_Compact-	10.0	False	True	True	False	configuration data set
▼ Config	Config		raise	iiue	iiue	i aise	comiguration 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
InputLowerLimit	Real	0.0	False	True	True	True	input (Process Value) lower limit
InputUpperWarning	Real	3.402822e+38	False	True	True	True	input (Process Value) upper level v
InputLowerWarning	Real	-3.402822e+38	False	True	True	True	input (Process Value) lower level wing
OutputUpperLimit	Real	70.0	False	True	True	True	output value upper limit
OutputLowerLimit	Real	40.0	False	True	True	True	output value lower limit
SetpointUpperLimit	Real	3.402822e+38	False	True	True	True	setpoint upper limit value
SetpointLowerLimit	Real	-3.402822e+38	False	True	True	True	setpoint lower limit value
<u> </u>							PWM minimum on time
MinimumOnTime	Real	0.0	False	True	True	True	
MinimumOffTime	Real	0.0	False	True	True	True	PWM minimum off time

Totally Integ	rated
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
Calculate Params	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

|--|

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

PLC tags

PLC to	ags						
	Name	Data type	Address	Retain	Visible in HMI	Accessible from HMI	Comment
-01	czujnik_odleglosci	Word	%IW64	False	True	True	
- 00	pozycja_kulki	Word	%MW0	False	True	True	
- 01	PWM_Start	Bool	%M128.0	False	True	True	
- 01	Zakres_ok	Bool	%M128.1	False	True	True	
-01	Poza_zakresem	Bool	%10.0	False	True	True	
- 11	Stan_PWM	Word	%MW2	False	True	True	
-01	Zadany_PWM	Word	%MW4	False	True	True	
-01	Wartosc_PWM	Word	%QW1000	False	True	True	
- 101	Manual_ON	Bool	%M128.2	False	True	True	
1	War_zadana	Real	%MD6	False	True	True	
1	Ster_manual	Real	%MD10	False	True	True	
-01	Obroty	DWord	%ID1004	False	True	True	
- 00	RPM	DWord	%MD14	False	True	True	
1	blad_poz	Real	%MD20	False	True	True	
1	Tag_1	Bool	%Q0.0	False	True	True	
							I .

Totally Integrated Automation Portal					
PLC_1 [CPU 121 User constants	2C AC/DC/Rly] / PLC	tags / Default tag	table [46]		
User constants Name	D	ata type	Value	Comment	
Nume	,	ata type	value	Comment	
				Ī	

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

PID_CompactConfig

PID_CompactC	Config Properties						
General							
Name	PID_CompactConfig	Number	1134	Type	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)

Totally Into							
Automatio	on Portal						
	<u> </u>						
PI C 1 [(- - PI Ι 1212 <i>C</i> Δ	C/DC/Rly] / PLO	data types				
LC_1 [0		C/DC/My]/IL	c data types				
PID_Scali	ng						
PID_Scaling P	Properties						
General							,
	PID_Scaling	Number	1135	Type	UDT	Language	
vame							
Numbering							
Numbering Information	data for scaling	Author		Comment		Family	
Name Numbering Information Title Version		Author User-defined ID		Comment		Family	

True

True

True

True

high value (input range of scaling)

low value (input range of scaling)

high value (output range of scaling)

low value (output range of scaling)

True

True

True

True

True

True

True

True

Real

Real

Real

Real

27648.0

0.0

0.0

100.0

UpperPointIn

LowerPointIn

UpperPointOut

LowerPointOut

mbering cormation data set for cycle time estimation User-defined ID	ieneral	e Properties								
Comment Family Family Setpoint Comment Setpoint Se	lame Iumbering	PID_CycleTime		Number	1137	Туре	UDT		Language	
timation rsion User-defined ID	nformation itle	data set for cycle	time es-	Author		Comment			Family	
meData typeDefault valueAccessible from HMIVisible in HMISetpoint HMICommentStartEstimationBoolTRUETrueTrueFalsestart automatic estimation of call cycle timeEnEstimationBoolTRUETrueTrueTrueenable estimation of call cycle timeEnMonitoringBoolTRUETrueTrueTrueenable monitoring of call cycle time	ersion	timation	time es	User-define	d	Comment			. uniny	
StartEstimationBoolTRUETrueTrueFalsestart automatic estimation of call cycle timeEnEstimationBoolTRUETrueTrueTrueenable estimation of call cycle timeEnMonitoringBoolTRUETrueTrueTrueenable monitoring of call cycle time	ame		Data ty		Default value	Accessible from HMI	Visible in	Setpoint	Comment	
EnMonitoring Bool TRUE True True True enable monitoring of call cycle time	StartEstim	ation	Bool		TRUE			False		
VOLUTE NEED JO. 1 FEDER TODE FEDERAL SATE VALUE NAME		ing								of call cycle time

PID CompactCo	ontrolParams Properties								
General	ontioiraraniis Properties								
Name	PID_CompactControlParams	Number	1138	Туре	UDT			Language	
Numbering					'				'
nformation									
Title	controling parameter set			Comment				Family	
/ersion		User-defined ID							
Name	Data	type	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comm	ent	
Gain	Real		1.0	True	True	True	proport	tional gain	
Ti	Real		20.0	True	True	True	reset ti		
Td	Real		0.0	True	True	True		ive time	
TdFiltRatio	Real		0.2	True	True	True		efficient for der	<u> </u>
PWeighting	Real		1.0	True	True	True	path		nal part in direct, feedback
			1.0	True	True	True	weigth	ing of derivative	part in direct, feedback
DWeighting	Real		1.0				path		

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

PID_CompactSelfTune

PID_CompactS	elfTune Properties						
General							
Name	PID_CompactSelfTune	Number	1139	Туре	UDT	Language	
Numbering							
Information							
Title	data set for self tuning	Author		Comment		Family	
Version		User-defined					
		ID					

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

ation structure for gradient esti- mation Comment Family	eral e	Estimation Properties PID_GradientEstimatio	n Number	1508	Туре	UDT	Language	
User-defined ID Data type Default value Accessible Visible in Setpoint Comment	bering mation	structure for gradient of	esti- Author		Comment		Family	
Data type Default value Accessible Visible in Setpoint Comment	on	mation	User-defined	d				
	e	Da		Default value	Accessible from HMI	Visible in Setpoint	Comment	

nbering ormation e sion		Number	1511	Type	UDT	Language	
	dataset of parameters for gradient estimation	User-defined		Comment		Family	
e	Data 1	type	Default value	Accessible from HMI	Visible in Setpoint HMI	Comment	

eral ne	PID_StandardDeviation	Number	1509	Туре	UDT	Language	
nbering rmation	data for estimation of de	e- Author		Comment		Family	
sion	viance	User-defined	I				
e	Data	ı type	Default value	Accessible from HMI	Visible in Setpoint	Comment	

General	_SUT Properties									
Name	PID_Compact_SUT		Number	1142	Type	UDT			Language	
Numbering										
Information					W -				II_ ••	
Title .	data set for start u	o tuning			Comment				Family	
ersion/			User-defined ID							
Name		Data ty	pe	Default value	Accessible from HMI	Visible in HMI	Setpoint			
CalculateP	arams	Bool		FALSE	True	True	False	startup	tuning	meters with parameters of
TuneRule		Int		0	True	True	True	tuning	rule for SUT (0-C	HR PID,1-CHR PI)
State		Int		0	True	True	False	current	phase of start u	p tuning

Totally Integ Automation								
	PLC_1 [CPU 1212C AC/DC/Rly] / PLC data types							
PID_Comp								
	PID_Compact_TIR Properties							
General Name	PID_Compact_TIR	Number	1143	Туре	UDT	Language		
Numbering				.,,,,,		Language		

Version	3		User-defined								
			ID								
Name		Data ty	pe	Default value	Accessible from HMI	Visible in HMI	Setpoint	Comme	ent		
RunIn		Bool		FALSE	True	True	False	activate	run in setpoint w	ithout controlin	ıg
CalculatePara	ams	Bool		FALSE	True	True	False	recalcul tuning	ate control param in run	neters with parar	meters of
TuneRule		Int		0	True	True	True	_	rule for TIR (0-2-A N PI;5-ZN P)	PID auto,fast,slo	ow;3-ZN
State		Int		0	True	True	False	current	phase of tuning i	n run	

Comment

Family

Information Title

data set for tuning in run Author

Totally Integ	grated								<u> </u>
Automation	Portal								
LC_1 [C	PU 1212	C AC/DC	[/Rly] / PL	C data types					
	actContro								
D_CompactC eneral ame	PID_Compac		Number	1144	Туре	UDT		Language	
lumbering nformation				11177		ODI			
itle Yersion	data for conf	troling part	Author User-defined ID		Comment			Family	
lame		Data ty		Default value	Accessible from HMI	Visible in HMI	Setpoint	Comment	
IntegralSun	1	Real		0.0	True		False	signal of integral part	

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

PID_CompactRetain

PID_CompactRetain Properties								
General								
Name	PID_CompactRetain	Number	1145	Туре	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

Totally Integrated Automation Portal					
	2C AC/DC/Rly] / Watch and	d force tables			
Force table	Address	Display format	Force value	Commen	t
		1 3		1-	
	T				

Totally Integrated Automation Portal		
PLC_1 [CPU 121	2C AC/DC/Rly] / Traces	
Measurements		
This folder is empty.		

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

Totally Integrated Automation Portal		
PLC_1 [CPU 121	2C AC/DC/Rly] / Local modules	
DQ 4x24VDC_1		

DQ 4x24VDC_1					
General\Project info					
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\Outpu	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		
---	--	--

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

AQ 2x14BIT_1

AQ 2x14BIT_1					
General\Project info	rmation				
	AQ 2x14BIT_1	Author	admin	Comment	
Slot	2				
General\Catalog info	ormation				
	SM 1232 AQ2	Description	Analog output module AQ2 x 14 bits; plug-in terminal blocks; output: +/-10V and 0 to 20 mA; selectable diagnostics; selectable substitute value for output	Article number	6ES7 232-4HB32-0XB0
Firmware version	V2.0				
AQ 2\Project informa	ation				
Name	AQ 2x14BIT_1	Comment			
AQ 2\Module diagno	stics				
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		
AQ 2\I/O addresses\C	Output addresses				
Start address	96	End address	99	Organization block	0
Process image	0		•		
	tifier\Hardware identifier				
AQ Z\Hardware iden	tiller (i laruware luciftiller				