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

eneral\Project infor				11-	
	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	ll		II	
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	
	DI 8/DQ 6_1	Comment		Name	AI 2_1
omment	-	Name	DQ 4x24VDC_1	Comment	
	X1]\General\Catalog information				
	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 [X1]\Ethernet addresses\PROFINET False	Generate PROFINET	True	PROFINET device	plc_1
ame is set directly the device		device name auto- matically		name	
	plcxb1d0ed	Device number:	0		
	X1]\Time synchronization	Stree number.			
	Enable time synchronization via		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	-	-
	0.0 X1]\Digital inputs\Channel0\	Input filters	6.4 millisec	Enable pulse catch	0
	0	RidPrefixRisingEdg-	49152	Event name:	0
etection		eEvent	17132	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		
ROFINET interface [X1]\Digital inputs\Channel1				
	IO.1	Input filters	6.4 millisec	Enable pulse catch	0
nable rising edge	X1]\Digital inputs\Channel1\ 0	RidPrefixRisingEdg- eEvent	49153	Event name:	0
ardware interrupt:	I .	Rising edge1	Rising edge1		
ardware interrupt: ROFINET interface [nable falling edge	X1]\Digital inputs\Channel1\	Rising edge1 RidPrefixFallingEdg- eEvent		Event name:	0
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt:	X1]\Digital inputs\Channel1\ 0 0	RidPrefixFallingEdg-		Event name:	0
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2	RidPrefixFallingEdg- eEvent Falling edge1	49281 Falling edge1		
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 10.2	RidPrefixFallingEdg- eEvent	49281	Event name: Enable pulse catch	
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent	49281 Falling edge1 6.4 millisec 49154		
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt:	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 10.2 X1]\Digital inputs\Channel2\ 0 0	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg-	49281 Falling edge1 6.4 millisec	Enable pulse catch	0
ardware interrupt: ROFINET interface [nable falling edge etection ardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection ardware interrupt: ROFINET interface [nable falling edge	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent	49281 Falling edge1 6.4 millisec 49154 Rising edge2	Enable pulse catch	0
ardware interrupt: ROFINET interface [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:	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel2\	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2	49281 Falling edge1 6.4 millisec 49154 Rising edge2	Enable pulse catch Event name:	0
ardware interrupt: ROFINET interface [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 [nable falling edge etection ardware interrupt:	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 10.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent Falling edge2	49281 Falling edge1 6.4 millisec 49154 Rising edge2 49282	Enable pulse catch Event name: Event name:	0
ardware interrupt: ROFINET interface [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	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 I0.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent	49281 Falling edge1 6.4 millisec 49154 Rising edge2 49282 Falling edge2	Enable pulse catch Event name:	0
nable falling edge etection lardware interrupt: ROFINET interface [hannel address ROFINET interface [nable rising edge etection lardware interrupt: ROFINET interface [nable falling edge etection lardware interrupt: ROFINET interface [hannel address ROFINET interface [hannel address ROFINET interface [nable rising edge etection	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 10.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3 10.3 X1]\Digital inputs\Channel3\ 0	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent Falling edge2 Input filters RidPrefixRisingEdg- eEvent	49281 Falling edge1 6.4 millisec 49154 Rising edge2 49282 Falling edge2 6.4 millisec 49155	Enable pulse catch Event name: Event name:	0
ardware interrupt: ROFINET interface [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	X1]\Digital inputs\Channel1\ 0 0 X1]\Digital inputs\Channel2 10.2 X1]\Digital inputs\Channel2\ 0 0 X1]\Digital inputs\Channel2\ 0 X1]\Digital inputs\Channel3 10.3 X1]\Digital inputs\Channel3\ 0	RidPrefixFallingEdg- eEvent Falling edge1 Input filters RidPrefixRisingEdg- eEvent Rising edge2 RidPrefixFallingEdg- eEvent Falling edge2 Input filters	49281 Falling edge1 6.4 millisec 49154 Rising edge2 49282 Falling edge2 6.4 millisec	Enable pulse catch Event name: Event name: Enable pulse catch	0

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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
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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.	[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.	[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 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 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.	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

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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 use for the address	HscChannel.AddressString	Adapter name the user control should use for the Spee-	HscChannel.SpeedAndSourceDisplay
	HscChannel. Output Source	string		dAndSourceDisplay	
ser control should se for the Output 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.SpeedAndSourceDisplay
user control should use for the Output Source	HscChannel. Output Source				
-	(HSC)\HSC1\Hardware inputs\		l.		
Reset input		HSCInput2_Status]	Clock generator in- put	
Direction input	 HscChannel.OutputSource	Adapter name the user control should use for the address string	HscChannel.AddressString	Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDisplay
Adapter name the user control should use for the Output Source	nscchanner.Outputsource				
ligh speed counters	(HSC)\HSC1\I/O addresses\Input ad				
	1000	End address	1003	Organization block	0
. c cccagc	0 (HSC)\HSC1\Hardware identifier\H	ardware identifier			
lardware identifier		ardware identilier			
	(HSC)\HSC2\General\Enable				
-	0				
peed counter					
	(HSC)\HSC2\General\Project inform				
	HSC_2	Comment			
	(HSC)\HSC2\Function Count	Operating phase	Single phase		
	User program (internal direction	Initial counting di-	Count up		
s specified by	control)	rection	·		
1 /	-/-sec				
ng period ligh speed counters nitial counter value	(HSC)\HSC2\Reset to initial values	Initial reference val-	0		
ligh speed souptors	(HSC)\HSC2\Reset to initial values	ue Poset entions			
Jse external reset			- -		
nput		neset signar level	,		
	(HSC)\HSC2\Event configuration\				
ienerate interrupt or counter value quals reference	0	RidPrefixCvEqualsPv	49152	Event name:	0
ralue event. Hardware interrupt:	0	to reference value1	Counter value equal to reference value1	ValueNull	0
	0	EventPriority	6		
iign speed counters Senerate interrupt	(HSC)\HSC2\Event configuration\	RidPrefixExternalRe-	49408	Event name:	0
or external reset vent.		set			
lardware interrupt:	0	External reset1 EventPriority	External reset1	ValueNull	0
	(HSC)\HSC2\Event configuration\	Eventrionty	0		
ienerate interrupt or change of direc- ion event.	-	RidPrefixDirection- Change	49280	Event name:	0
lardware interrupt:	0	Change of direc-	Change of direction1	ValueNull	0
'alueNull	0	tion1 EventPriority	6		
	(HSC)\HSC2\Hardware inputs\		 		
lock generator in-		HSCInput0_Status	1	Direction input	
ut		Adamtan	Harchan - LATT - Co. 1	A d = t =	He-Character to the to the
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.SpeedAndSourceDisplay
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-	
Reset input		Adapter name the user control should	HscChannel.AddressString	put Adapter name the user control should	HscChannel.SpeedAndSourceDisplay
		use for the address string		use for the Spee- dAndSourceDisplay	

dapter name the ser control should se for the Output ource	HscChannel.OutputSource				
	(HSC)\HSC2\Hardware inputs\				
eset input		HSCInput2_Status	1	Clock generator in- put	
Pirection input -		Adapter name the user control should use for the address string	HscChannel.AddressString	Adapter name the	HscChannel.SpeedAndSourceDis- play
dapter name the ser control should se for the Output ource	HscChannel.OutputSource				
_	(HSC)\HSC2\I/O addresses\Input ad				
tart address 1 rocess image 0	1004	End address	1007	Organization block	0
9	(HSC)\HSC2\Hardware identifier\H	ardware identifier			
lardware identifier 2	260				
	(HSC)\HSC3\General\Enable				
nable this high peed counter	J				
	(HSC)\HSC3\General\Project inform	nation			
	HSC_3	Comment			
ligh speed counters (ype of counting	(HSC)\HSC3\Function Count	Operating phase	Single phase		
Counting direction	Jser program (internal direction	Initial counting di-	Count up		
1 /	control)	rection			
requency measur- ng period	1-2EC				
nitial counter value		Initial reference val- ue	0		
High speed counters (Use external reset	(HSC)\HSC3\Reset to initial values\		- -		
nput	J	Reset signal level	- -		
	(HSC)\HSC3\Event configuration\				
Generate interrupt Cor counter value equals reference value event.		RidPrefixCvEqualsPv	49152	Event name:	0
lardware interrupt: C		Counter value equal to reference value2 EventPriority	Counter value equal to reference value2	ValueNull	0
-	(HSC)\HSC3\Event configuration\				
Generate interrupt or external reset		RidPrefixExternalRe- set		Event name:	0
lardware interrupt: 0 /alueNull /igh speed counters (Generate interrupt 0) (HSC)\HSC3\Event configuration\	External reset2 EventPriority RidPrefixDirection-	External reset2 6 49280	ValueNull Event name:	0
or change of direc- ion event.		Change of direc-	Change of direction2	ValueNull	0
•		tion2	_		
/alueNull		EventPriority	6		
llock generator in-	(HSC)\HSC3\Hardware inputs\ 	HSCInput0_Status	1	Direction input	
eset input		Adapter name the user control should	HscChannel.AddressString	Adapter name the user control should	HscChannel.SpeedAndSourceDisplay
Adapter name the	HscChannel.OutputSource	use for the address string		use for the Spee- dAndSourceDisplay	
se for the Output ource	(HSC)\HSC3\Hardware inputs\				
rirection input		HSCInput1_Status	1	Clock generator in-	
Reset input -		Adapter name the user control should use for the address	HscChannel.AddressString	Adapter name the user control should use for the Spee-	HscChannel.SpeedAndSourceDis play
Adapter name the Iser control should use for the Output	HscChannel.OutputSource	string		dAndSourceDisplay	
ource	(HSC)\HSC3\Hardware inputs\ 	HSCInput2_Status	1	Clock generator in-	
-				put	
Pirection input		Adapter name the user control should use for the address string	HscChannel.AddressString	Adapter name the user control should use for the SpeedAndSourceDisplay	HscChannel.SpeedAndSourceDis play
dapter name the ser control should se for the Output ource	HscChannel.OutputSource				
ser control should se for the Output ource ligh speed counters (HscChannel.OutputSource (HSC)\HSC3\I/O addresses\Input ad	dresses End address	1011	Organization block	

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			

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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.	O
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.	n		Evternal resets	Evternal resets	ValueNull	0
Hardware interrupt: ValueNull	0		External reset5 EventPriority	External reset5 6	ValueNull	U

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Automation Porta						
High speed sounters	(HSC)\HSC6\Event configuration\					
Generate interrupt		RidPrefixDirection-	49280	Event name:	0	
for change of direc-		Change	13200	2 vent name.		
tion event. Hardware interrupt:	0	Change of direc-	Change of direction5	ValueNull	0	
Hardware Interrupt.		tion5	Change of directions	Valuelluli		
ValueNull	0	EventPriority	6			
High speed counters Clock generator in-	(HSC)\HSC6\Hardware inputs\	HSCInput0_Status	1	Direction input		
put		113cmputo_status	1	Direction input		
Reset input		Adapter name the	HscChannel.AddressString	Adapter name the		el.SpeedAndSourceDis-
		user control should use for the address		user control should use for the Spee-	play	
		string		dAndSourceDisplay		
Adapter name the user control should	HscChannel.OutputSource					
use for the Output						
Source	(HSC)\HSC6\Hardware inputs\					
Direction input		HSCInput1_Status	1	Clock generator in-		
D		A .l	He Charal Address China	put	III. Ch	I C. IA I C. D'
Reset input		Adapter name the user control should	HscChannel.AddressString	Adapter name the user control should	play	el.SpeedAndSourceDis-
		use for the address		use for the Spee-	,	
Adapter name the	HscChannel.OutputSource	string		dAndSourceDisplay		
user control should	insectial met. Output Source					
use for the Output Source						
	(HSC)\HSC6\Hardware inputs\					
Reset input		HSCInput2_Status	1	Clock generator in-		
Direction input		Adapter name the	HscChannel.AddressString	put Adapter name the	HscChanne	el.SpeedAndSourceDis-
Direction input		user control should	nsccriainiei.Addresssting	user control should	play	ei.speedAildsourcebis-
		use for the address string		use for the Spee- dAndSourceDisplay		
Adapter name the	HscChannel.OutputSource	sung		uAliuSourceDisplay		
user control should	·					
use for the Output Source						
	(HSC)\HSC6\I/O addresses\Input ad					
Start address Process image	0	End address	1023	Organization block	0	
	` (HSC)\HSC6\Hardware identifier\H	ardware identifier				
Hardware identifier						
	O/PWM)\PTO1/PWM1\General\Enak 0	ole 				
generator						
Pulse generators (PT	O/DW/MANDTO1/DW/M11/ComercilDweig					
_		TT .				
Name	Pulse_1	Comment	ns			
Name		Comment	ns Milliseconds	Pulse duration for-	Hundredth	าร
Name Pulse generators (PT Signal type	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM	Comment ssignment\Pulse optio Time base:	Milliseconds	Pulse duration for- mat	Hundredth	าร
Name Pulse generators (PT	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as	Comment signment\Pulse option			Hundredth	ns
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou	Comment signment\Pulse optio Time base: Initial pulse dura- tion	Milliseconds		Hundredth	าร
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms	Comment signment\Pulse optio Time base: Initial pulse dura- tion	Milliseconds		Hundredth	าร
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou	Comment ssignment\Pulse option Time base: Initial pulse duration tputs	Milliseconds			
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Sta-	Milliseconds	Adapter name the		ns nel.AddressString
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\	Milliseconds 50Hundredths	mat		
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Status	Milliseconds 50Hundredths	Adapter name the user control should		
Name Pulse generators (PT Signal type Cycle time Pulse generators (PT Enable direction output Pulse generators (PT Pulse output Adapter name the	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDis-	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ PulseOutput1_Sta-	Milliseconds 50Hundredths	Adapter name the user control should use for the address		
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-	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs PulseOutput1_Status Adapter name the user control should use for the Output	Milliseconds 50Hundredths	Adapter name the user control should use for the address		
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_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ 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		
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_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDis-	Comment signment\Pulse option Time base: Initial pulse duration tputs tputs\ 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	PulseChan	
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	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	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\	Milliseconds 50Hundredths 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should	PulseChan	nel.AddressString
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-	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms O/PWM)\PTO1/PWM1\Hardware ou 0 O/PWM)\PTO1/PWM1\Hardware ou %Q4.0 PulseChannel.SpeedAndSourceDisplay	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\	Milliseconds 50Hundredths 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string	PulseChan	nel.AddressString
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	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms 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	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 50Hundredths 1 PulseChannel.OutputSource	Adapter name the user control should use for the address string Adapter name the user control should use for the address	PulseChan	nel.AddressString
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	Pulse_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms 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	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	Milliseconds 50Hundredths 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	PulseChan	nel.AddressString
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_1 O/PWM)\PTO1/PWM1\Parameter as PWM 100ms 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	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\	Milliseconds 50Hundredths 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	PulseChan	nel.AddressString
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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 Enable direction putput Pulse generators (PT Enable direction putput Enable direction putp	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
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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				Hanintonford law was a second			
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:	
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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:	
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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
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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

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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

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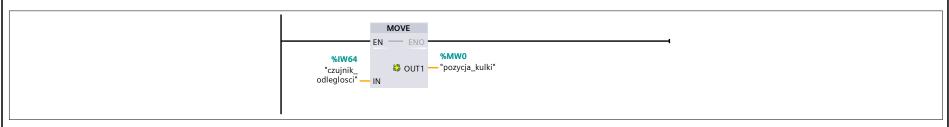
PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Main [OB1]

Main Properties									
General	General								
Name	Main	Number	1	Type	ОВ	Language	LAD		
Numbering	automatic								
Information									
Title	"Main Program Sweep (Cy-cle)"	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	
	•	•	

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

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PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [45]

PLC tags

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

Totally Integrated Automation Portal						
PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [45]						
User constants User constants						
Name	Data type	Value	Comment			

Totally Integrated Automation Portal		
PLC_1 [CPU 12120	C AC/DC/Rly]	
PLC data types		
This folder is empty.		

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

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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				