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Local modules

PLC_1 [CPU 1214C DC/DC/DC]

_			
PLC_1			
General\Project inform	nation		
Name	PLC_1	Author	Raski
Comment	_	Slot	1
Rack	0		
General\Catalog inforr	nation		
Short designation	CPU 1214C DC/DC/DC	Description	Work memory 75 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC and Al2 on board; 6 high-speed counters and 4 pulse outputs on board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 8 signal modules for I/O expansion; 0.04 ms/1000 instructions; PROFINET interface for programming, HMI and PLC-to-PLC communication
Article number	6ES7 214-1AG40-0XB0	Firmware version	V4.0
General\Identification	& Maintenance		
Plant designation		Location identifier	
Installation date	2022-09-08 16:02:50.849	Additional informa- tion	
Connection resources			
PG communication:	1	OP communication:	1
S7 basic communica-	0	S7 communication:	0
tion:			
Maximum number of S7 connection resources:	38		
PROFINET interface [X	1 NGeneral		
Name	PROFINET interface_1	Author	Raski
Comment	TROTINET INTERFACE_T	Author	Nuski
	1]\General\Project information		
Name	DI 14/DQ 10_1	Comment	
Name	AI 2_1	Comment	
Name	AQ 1x12BIT_1	Comment	
	1]\General\Catalog information	Comment	
Short designation	AQ1 Signal board	Description	Signal board AQ1 x 12 bits; plug-in terminal blocks; output: +/-10V and 0 to 20 mA; configurable diagnostics; con-
			figurable substitute output value
Article number	6ES7 232-4HA30-0XB0	Firmware version	V1.0
	1]\Ethernet addresses\Interface netw	orked with	
Subnet:	PN/IE_1		
PROFINET interface [X	1]\Ethernet addresses\IP protocol		
IP configuration	Set IP address in the project	IP address:	10.30.5.2
Subnet mask:	255.255.255.0	Use router	False
PROFINET interface [X	1]\Ethernet addresses\PROFINET	"	
PROFINET device name is set directly at the device	False	Generate PROFINET device name auto- matically	True
PROFINET device name:	plc_1	Converted name:	plcxb1d0ed
Device number:	0		

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PROFINET interface [X	1]\Time synchronization		
	Enable time synchronization via NTP		IP addresses
nization via NTP serv-	server		
er			
Server 1	0.0.0.0	Server 2	0.0.0.0
Server 3	0.0.0.0	Server 4	0.0.0.0
Update interval	10sec		
	1]\Digital inputs\Channel0		
Channel address	10.0	Input filters	6.4 millisec
Enable pulse catch	0	Input intois	
-	1]\Digital inputs\Channel0\		
Enable rising edge de-	=	RidPrefixRisingEdgeE-	49152
tection	Ŭ	vent	13132
Event name:	0	Hardware interrupt:	0
Rising edge0	Rising edge0		
	1]\Digital inputs\Channel0\		
Enable falling edge	0	RidPrefixFallingEdg-	49280
detection	Ŭ	eEvent	13200
Event name:	0	Hardware interrupt:	0
Falling edge0	Falling edge0		ļ-
	1]\Digital inputs\Channel1		
Channel address	IO.1	Input filters	6.4 millisec
Enable pulse catch	0	input inters	o. i illinisce
-	1]\Digital inputs\Channel1\		
Enable rising edge de-	= -	RidPrefixRisingEdgeE-	40153
tection	O	vent	49133
Event name:	0	Hardware interrupt:	0
Rising edge1	Rising edge1	naraware interrupt.	
	1]\Digital inputs\Channel1\		
Enable falling edge	0	RidPrefixFallingEdg-	49281
detection	O	eEvent	49201
Event name:	0	Hardware interrupt:	0
Falling edge1	Falling edge1	naraware interrupt.	
3 3	1]\Digital inputs\Channel2		
Channel address	IO.2	Input filters	6.4 millisec
Enable pulse catch	0	input inters	0.4 minisec
	1]\Digital inputs\Channel2\		
Enable rising edge de-		RidPrefixRisingEdgeE-	10151
tection	O	vent	13134
Event name:	0	Hardware interrupt:	0
Rising edge2	Rising edge2	maraware interrupt.	U
	1]\Digital inputs\Channel2\		
Enable falling edge	0	RidPrefixFallingEdg-	49282
detection	O	eEvent	43202
Event name:	0	Hardware interrupt:	0
Falling edge2	Falling edge2	maraware interrupt.	U
	1]\Digital inputs\Channel3		
Channel address	10.3	Input filters	6.4 millisec
Enable pulse catch	0	input inters	0.4 minisec
	1]\Digital inputs\Channel3\		
Enable rising edge de-		RidPrefixRisingEdgeE-	49155
tection	O O	vent	
Event name:	0	Hardware interrupt:	0
Rising edge3	Rising edge3	indiaware interrupt.	U C
	1]\Digital inputs\Channel3\		
		Did Due fix Falling of de	40202
Enable falling edge detection	0	RidPrefixFallingEdg- eEvent	49283
	0	1	0
Event name:	<u> -</u>	Hardware interrupt:	U
Falling edge3	Falling edge3		
			T

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PROFINET interface [X	1]\Digital inputs\Channel4		
Channel address	10.4	Input filters	6.4 millisec
Enable pulse catch	0		
PROFINET interface [X	1]\Digital inputs\Channel4\		
Enable rising edge de-	0	RidPrefixRisingEdgeE-	49156
tection		vent	
Event name:	0	Hardware interrupt:	0
Rising edge4	Rising edge4		
PROFINET interface [X	1]\Digital inputs\Channel4\		
Enable falling edge	0	RidPrefixFallingEdg-	49284
detection		eEvent	
Event name:	0	Hardware interrupt:	0
Falling edge4	Falling edge4		
	1]\Digital inputs\Channel5		
Channel address	10.5	Input filters	6.4 millisec
Enable pulse catch	0		
	1]\Digital inputs\Channel5\		
Enable rising edge de-	0	RidPrefixRisingEdgeE-	49157
tection		vent	
Event name:	0	Hardware interrupt:	0
Rising edge5	Rising edge5		
	1]\Digital inputs\Channel5\	pidposti E III = 1	40205
Enable falling edge detection	0	RidPrefixFallingEdg- eEvent	49285
	0		0
Event name:	•	Hardware interrupt:	U
Falling edge5	Falling edge5 1]\Digital inputs\Channel6		
Channel address	1).6	Input filters	6.4 millisec
Enable pulse catch	0	input inters	0.4 IIIIIISEC
-	1]\Digital inputs\Channel6\		
Enable rising edge de-		RidPrefixRisingEdgeE-	40158
tection		vent	13130
Event name:	0	Hardware interrupt:	0
	-	Hardware interrupt:	0
Rising edge6	Rising edge6	Hardware interrupt:	0
Rising edge6	-	Hardware interrupt: RidPrefixFallingEdg-	49286
Rising edge6 PROFINET interface [X	Rising edge6 1]\Digital inputs\Channel6\		
Rising edge6 PROFINET interface [X Enable falling edge	Rising edge6 1]\Digital inputs\Channel6\	RidPrefixFallingEdg-	
Rising edge6 PROFINET interface [X Enable falling edge detection	Rising edge6 1]\Digital inputs\Channel6\ 0	RidPrefixFallingEdg- eEvent	49286
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6	Rising edge6 1]\Digital inputs\Channel6\ 0	RidPrefixFallingEdg- eEvent	49286
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6	RidPrefixFallingEdg- eEvent	49286
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7	RidPrefixFallingEdg- eEvent Hardware interrupt:	49286
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\	RidPrefixFallingEdg- eEvent Hardware interrupt:	49286 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge de-	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters	49286 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent	49286 0 6.4 millisec 49159
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name:	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters	49286 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent	49286 0 6.4 millisec 49159
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt:	49286 0 6.4 millisec 49159
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt:	49286 0 6.4 millisec 49159
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent	49286 0 6.4 millisec 49159 0
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name:	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt:	49286 0 6.4 millisec 49159
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent	49286 0 6.4 millisec 49159 0
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt:	49286 0 6.4 millisec 49159 0
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8 11.0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent	49286 0 6.4 millisec 49159 0
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Channel address Enable pulse catch	Rising edge6 1]\Digital inputs\Channel6\ 0 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 0 Rising edge7 1]\Digital inputs\Channel7\ 0 0 Falling edge7 1]\Digital inputs\Channel8 11.0 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt:	49286 0 6.4 millisec 49159 0
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X	Rising edge6 1]\Digital inputs\Channel6\ 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8 11.0 0 1]\Digital inputs\Channel8	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt:	49286 0 6.4 millisec 49159 0 49287 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge de-	Rising edge6 1]\Digital inputs\Channel6\ 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8 11.0 0 1]\Digital inputs\Channel8	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE-	49286 0 6.4 millisec 49159 0 49287 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection	Rising edge6 1]\Digital inputs\Channel6\ 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8 11.0 0 1]\Digital inputs\Channel8\ 11.0 0	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent	49286 0 6.4 millisec 49159 0 49287 0 6.4 millisec
Rising edge6 PROFINET interface [X Enable falling edge detection Event name: Falling edge6 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge detection Event name: Rising edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Enable falling edge detection Event name: Falling edge7 PROFINET interface [X Channel address Enable pulse catch PROFINET interface [X Enable rising edge de-	Rising edge6 1]\Digital inputs\Channel6\ 0 Falling edge6 1]\Digital inputs\Channel7 10.7 0 1]\Digital inputs\Channel7\ 0 Rising edge7 1]\Digital inputs\Channel7\ 0 Falling edge7 1]\Digital inputs\Channel8 11.0 0 1]\Digital inputs\Channel8	RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE- vent Hardware interrupt: RidPrefixFallingEdg- eEvent Hardware interrupt: Input filters RidPrefixRisingEdgeE-	49286 0 6.4 millisec 49159 0 49287 0 6.4 millisec

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Rising edge8	Rising edge8		
	1]\Digital inputs\Channel8\		
Enable falling edge detection	0	RidPrefixFallingEdg- eEvent	49288
Event name:	0	Hardware interrupt:	0
Falling edge8	Falling edge8	-	
PROFINET interface [X	1]\Digital inputs\Channel9		
	11.1	Input filters	6.4 millisec
Enable pulse catch	0	-	
PROFINET interface [X	1]\Digital inputs\Channel9\		
Enable rising edge de- tection	0	RidPrefixRisingEdgeE- vent	49161
Event name:	0	Hardware interrupt:	0
Rising edge9	Rising edge9		
PROFINET interface [X	1]\Digital inputs\Channel9\		
Enable falling edge detection	0	RidPrefixFallingEdg- eEvent	49289
Event name:	0	Hardware interrupt:	0
Falling edge9	Falling edge9		
PROFINET interface [X	1]\Digital inputs\Channel10		
Channel address	11.2	Input filters	6.4 millisec
Enable pulse catch	0	-	
PROFINET interface [X	1]\Digital inputs\Channel10\		
Enable rising edge de- tection	0	RidPrefixRisingEdgeE- vent	49162
Event name:	0	Hardware interrupt:	0
	Rising edge10		
PROFINET interface [X	1]\Digital inputs\Channel10\		
Enable falling edge	0	RidPrefixFallingEdg-	49290
detection Event name:	0	eEvent Hardware interrupt:	0
· ·	Falling edge10	naruware interrupt:	U
	1]\Digital inputs\Channel11		
	11.3	Innut filtors	6.4 millisec
-	0	Input filters	6.4 minisec
Enable pulse catch			
	1]\Digital inputs\Channel11\	Did Duafiy Diain a Edua E	40162
Enable rising edge detection		RidPrefixRisingEdgeE- vent	
Event name:	0 Dising adapt 1	Hardware interrupt:	0
	Rising edge11 1]\Digital inputs\Channel11\		
Enable falling edge detection	0	RidPrefixFallingEdg- eEvent	49291
Event name:	0	Hardware interrupt:	0
	Falling edge11		<u> -</u>
	1]\Digital inputs\Channel12		
	11.4	Input filters	6.4 millisec
	0	F	
-	1]\Digital inputs\Channel13		
	11.5	Input filters	6.4 millisec
Enable pulse catch	0	F	
•	1]\Analog inputs\Noise reduction		
	50 Hz (20 ms)		
	1]\Analog inputs\Channel0		
	IW64	Measurement type	Voltage
Voltage range	010 V	Smoothing	Weak (4 cycles)
Empty		Enable overflow diag-	-
		nostics	

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PROFINET interface	[X1]\A	\nalog inputs\Channel1			
Channel address	IW6	66	Measurement type	Voltage	
Voltage range	0′	10 V	Smoothing	Weak (4 cy	cles)
Empty			Enable overflow diagnostics	1	
PROFINET interface	[X1]\[Digital outputs			
Pagetion to CDU STO	D Hee	s cubetitute value			

PROFINET interface [X	1]\Analog inputs\Channel1		
Channel address	IW66	Measurement type	Voltage
Voltage range	010 V	Smoothing	Weak (4 cycles)
Empty		Enable overflow diag- nostics	
PROFINET interface [X	, - •		
Reaction to CPU STOP			
	1]\Digital outputs\Channel0		
Channel address	Q0.0	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel1		
Channel address	Q0.1	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel2		
Channel address	Q0.2	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel3		
Channel address	Q0.3	Substitute a value of 1 on a change from RUN to STOP.	0
	1]\Digital outputs\Channel4	W- · · ·	-
Channel address	Q0.4	Substitute a value of 1 on a change from RUN to STOP.	0
	1]\Digital outputs\Channel5		
Channel address	Q0.5	Substitute a value of 1 on a change from RUN to STOP.	0
	1]\Digital outputs\Channel6		
Channel address	Q0.6	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel7		
Channel address	Q0.7	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel8		
Channel address	Q1.0	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Digital outputs\Channel9		
Channel address	Q1.1	Substitute a value of 1 on a change from RUN to STOP.	0
PROFINET interface [X	1]\Operating mode		
IO controller	True	IO system	
Device number	0	IO device	False
PROFINET interface [X	1]\Analog outputs		
Reaction to CPU STOP	Use substitute value		
PROFINET interface [X	1]\Analog outputs\Channel0		
Channel address	QW80	Analog output type	Voltage
Voltage range	+/- 10 V	Substitute value for channel on a change from RUN to STOP	0.000V
	1	Enable short circuit	1
Empty Enable overflow diag-		diagnostics Enable underflow di-	ı

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	(1]\I/O addresses\Input addresses		
Start address	0.0	End address	1.7
Organization block	0	Process image	0
PROFINET interface [X	(1]\I/O addresses\Input addresses		
Start address	64	End address	67
Organization block	0	Process image	0
	(1]\I/O addresses\Output addresses		
Start address	0.0	End address	1.7
Organization block	0	Process image	0
	(1]\I/O addresses\Output addresse		
Start address	80	End address	81
Organization block	0	Process image	0
	्। (1]\Advanced options\Interface op		U
	•		-
Support device re-	True	Use IEC V2.2 LLDP	True
placement without		mode	
exchangeable medi-			
um	20-		
Keep-Alive connec-	30s		
tion monitoring:	(4))		
	(1]\Advanced options\Real time se	ttings\IO communication	
Send clock:	1.000ms		
	(1]\Advanced options\Real time se		
Calculated bandwidth	0.000ms	Calculated bandwidt	t h 0.000%
for cyclic IO data:		for cyclic IO data:	
PROFINET interface [X	(1]\Advanced options\Port [X1 P1]\	General	
Name	Port_1	Author	Raski
Comment			
PROFINET interface [X	(1]\Advanced options\Port [X1 P1]\	\Port interconnection\Loca	al port:
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1]	Medium:	Copper
Cable name:	[X1]((0)(_1 [X111]		
PROFINET interface IX	1]\Advanced options\Port [X1 P1]	\Port interconnection\Part	ner port:
PROFINET interface [X	(1]\Advanced options\Port [X1 P1]\ Monitoring of partner port is not po		-
PROFINET interface [X	(1]\Advanced options\Port [X1 P1]\ Monitoring of partner port is not pools		ner port: Any partner
	Monitoring of partner port is not poble	ossi- Partner port:	-
PROFINET interface [X	Monitoring of partner port is not poble (1]\Advanced options\Port [X1 P1]\	ossi- Partner port:	-
PROFINET interface [X Activate this port for	Monitoring of partner port is not poble	ossi- Partner port:	-
PROFINET interface [X Activate this port for use	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True	ossi- Partner port: \Port options\Activate	-
PROFINET interface [X Activate this port for use PROFINET interface [X	Monitoring of partner port is not poble (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\	\Port options\Connection	Any partner
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex:	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic	ossi- Partner port: \Port options\Activate	-
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True	\Port options\Connection Monitor	Any partner
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic	\Port options\Connection Monitor	Any partner
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True	\Port options\Connection Monitor	Any partner
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion PROFINET interface [X	Monitoring of partner port is not pole (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True (1]\Advanced options\Port [X1 P1]\	Partner port: Port options\Activate Port options\Connection Monitor Port options\Boundaries	Any partner False
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion PROFINET interface [X End of detection of	Monitoring of partner port is not pole (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True (1]\Advanced options\Port [X1 P1]\	Nert options\Connection Monitor Nert options\Connection Monitor Nert options\Boundaries End of topology dis-	Any partner False
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion PROFINET interface [X End of detection of accessible devices End of the sync do- main	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True (1]\Advanced options\Port [X1 P1]\ False False	Nert options\Connection Monitor Nert options\Connection Monitor Nert options\Boundaries End of topology dis-	Any partner False
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion PROFINET interface [X End of detection of accessible devices End of the sync do- main	Monitoring of partner port is not pole (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True (1]\Advanced options\Port [X1 P1]\ False False (HSC)\HSC1\General\Enable	Nert options\Connection Monitor Nert options\Boundaries End of topology discovery	Any partner False
PROFINET interface [X Activate this port for use PROFINET interface [X Transmission rate / duplex: Enable autonegotia- tion PROFINET interface [X End of detection of accessible devices End of the sync do- main	Monitoring of partner port is not police (1]\Advanced options\Port [X1 P1]\ True (1]\Advanced options\Port [X1 P1]\ Automatic True (1]\Advanced options\Port [X1 P1]\ False False	Nert options\Connection Monitor Nert options\Connection Monitor Nert options\Boundaries End of topology dis-	False False

Enable this high	0	Enable this high speed counter	0
nable this high peed counter	0	Enable this high speed counter	0
•	(HSC)\HSC1\General\Project information		
ligh speed counters lame	HSC_1	Comment	
lame	HSC 2	Comment	
lame	HSC_3	Comment	
lame	HSC_4	Comment	
Name	HSC_5	Comment	
Name	HSC_6	Comment	
	(HSC)\HSC1\I/O addresses\Input addr		
Start address	1000.0	End address	1003.7
Start address	1004.0	End address	1007.7
Organization block	0	Start address	1008.0
nd address	1011.7	Organization block	0
Process image	0	Start address	1012.0
End address	1015.7	Organization block	0
Process image	0	Start address	1016.0
nd address	1019.7	Organization block	0
Process image	0	Start address	1020.0
End address	1023.7	Organization block	0
Process image	0	Organization block	0
Process image	0	Process image	0
	O/PWM)\PTO1/PWM1\General\Enable	i rocess image	
Enable this pulse ge		Enable this pulse gen-	- 0
erator		erator	
Pulse generators (PT	O/PWM)\PTO1/PWM1\General\Project		
Name	Pulse_1	Comment	
Name	Pulse 2	Comment	
Pulse generators (PT	O/PWM)\PTO1/PWM1\I/O addresses\O	utput addresses	
Start address	1000.0	End address	1001.7
Start address	1002.0	End address	1003.7
Organization block	0	Organization block	0
Process image	0	Process image	0
Startup			
Startup after POWER	Warm restart - mode before POWER	Comparison preset to actual configuration	Startup CPU even if mismatch
Configuration time	60000ms	OBs should be inter- ruptible	0
Cycle		- I	
Cycle monitoring tim	ne 150ms		
Enable minimum cy-		Minimum cycle time	1ms
cle time for cyclic ÓE			
Communication load			
Cycle load due to	20%		
communication			
	emory\System memory bits		
Enable the use of system memory byte		Address of system memory byte (MBx)	1
First cycle	%M1.0 (FirstScan)	Diagnostic status changed	%M1.1 (DiagStatusUpdate)
Always 1 (high)	%M1.2 (AlwaysTRUE)	Always 0 (low)	%M1.3 (AlwaysFALSE)
	emory\Clock memory bits		
nable the use of	0	Address of clock	0
lock memory byte		memory byte (MBx)	
10 Hz clock		5 Hz clock	
2.5 Hz clock		2 Hz clock	
1.25 Hz clock		1 Hz clock	
		10	The state of the s

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Totally Integrated						
Automation Porta	11					
0.625 Hz clock			0.5 Hz clock			
บ.625 Hz clock Web server\General			U.S HZ CIUCK			
Activate web server	False		Permit access only	False		
on this module	i aise	ļ	with HTTPS			
Web server\Automat						
Enable automatic up	- True		Update interval	Os		
date Web server\User into	f languages					
Web server\User inte Assign project langu			Hear interface lang			
English (United States			German	User interface languages German		
English (United State	·		English			
English (United States			French			
English (United State	s)		Spanish			
English (United State	·		Italian			
English (United State			Chinese (simplified)			
Web server\User ma	nagement					
User name			User rights			
Everybody						
Web server\User-def		and the state of t	til li mia	and an amakan	t DD 2000	
Application name	HTML source path		Files with dynamic content	Web DB number	Fragment DB num ber	
		index.htm	.htm;.html	333	334	
User interface langu						
Assign project langu			User interface langu	uages		
English (United State			German			
English (United States			English			
English (United States			French			
English (United State English (United State			Spanish Italian			
English (United State			Chinese (simplified)			
Time of day\Local tir			Cilliese (simpiiies,			
Time of day(Local til		erlin, Bern, Brussels,				
	Rome, Stockholr					
Time of day\Dayligh						
Activate daylight sav	v - 0		Difference between			
ing time		ļ	standard and daylig saving time	jht		
Time of day\Dayligh	t saving time\Star	t of daylight saving tin				
Starting week of the		. Or daying		Sunday		
month:						
of	March		at	01:00 a.m.		
Time of day\Dayligh		t of standard time				
-	Last			Sunday		
of	October		at	02:00 a.m.		
Protection & Security Level of protection	No protection					
Protection & Security	•	hanisms				
Permit access with	True	Ilumini				
PUT/GET communication from remote						
partner	10	ddresses\Overview of a				
Overview of address			Outpute	True		
	True False		Outputs Slot	True		

Total	lly Integ	rated
Auto	mation	Portal

Type	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	1	DI 14/DQ 10_1	Automatic update	[CPU 1214C DC/DC/DC]	-	2 Bytes	-	0	1 1
О	0	1	DI 14/DQ 10_1	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	_	2 Bytes	-	0	1 1
I	64	67	AI 2_1	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 2
О	80	81	AQ 1x12BIT_1	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	2 Bytes	-	0	1 3
I	1000	1003	HSC_1	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	Automatic update	PLC_1 [CPU 1214C DC/DC/DC]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	Automatic update		-	4 Bytes	-	0	1 21
О	1000	1001	Pulse_1	Automatic update		-	2 Bytes	-	0	1 32
О	1002	1003	Pulse_2	Automatic update		-	2 Bytes	-	0	1 33
О	1004	1005	Pulse_3	Automatic update	_	-	2 Bytes	-	0	1 34
О	1006	1007	Pulse_4	Automatic update		-	2 Bytes	-	0	1 35
I	8	9	DI 16/DQ 16x24VDC _1	Automatic update	+	-	2 Bytes	-	0	2

Autor	y Integrate nation Port	ed al								
e	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO system	Rack	Slot
	8	9	DI 16/DQ 16x24VDC _1	Automatic update		-	2 Bytes	-	0	2

omation Portal

Local modules

DI 16/DQ 16x24VDC_1

	_		
DI 16/DQ 16x24VDC_1			
General\Project inforn	nation		
Name	DI 16/DQ 16x24VDC_1	Author	Raski
Comment		Slot	2
General\Catalog infor	mation		
Short designation	SM 1223 DI16/DQ16 x 24VDC	Description	Digital input/output module DI16 x 24VDC SINK/SOURCE and DQ16 x 24VDC; configurable input delay; plug- in terminal blocks
Article number	6ES7 223-1BL32-0XB0	Firmware version	V2.0
DI 16/DQ 16\Project in	formation		
Name	DI 16/DQ 16x24VDC_1	Comment	
DI 16/DQ 16\Digital in	puts\Input filters		
18.0 - 18.3	6.40ms	18.4 - 18.7	6.40ms
19.0 - 19.3	6.40ms	19.4 - 19.7	6.40ms
DI 16/DQ 16\Digital in	puts\Channel0		
Channel address	18.0		
DI 16/DQ 16\Digital in	puts\Channel1		
Channel address	18.1		
DI 16/DQ 16\Digital in	puts\Channel2		
Channel address	18.2		
DI 16/DQ 16\Digital in	puts\Channel3		
Channel address	18.3		
DI 16/DQ 16\Digital in	puts\Channel4		
Channel address	18.4		
DI 16/DQ 16\Digital in	puts\Channel5		
Channel address	18.5		
DI 16/DQ 16\Digital in	puts\Channel6		
Channel address	18.6		
DI 16/DQ 16\Digital in	puts\Channel7		
Channel address	18.7		
DI 16/DQ 16\Digital in	puts\Channel8		
Channel address	19.0		
DI 16/DQ 16\Digital in	puts\Channel9		
Channel address	l9.1		
DI 16/DQ 16\Digital in	puts\Channel10		
Channel address	19.2		
DI 16/DQ 16\Digital in	puts\Channel11		
Channel address	19.3		
DI 16/DQ 16\Digital in	puts\Channel12		
Channel address	19.4		
DI 16/DQ 16\Digital in	puts\Channel13		
Channel address	19.5		
DI 16/DQ 16\Digital in	puts\Channel14		
Channel address	19.6		
DI 16/DQ 16\Digital in	puts\Channel15		
Channel address	19.7		
DI 16/DQ 16\Digital ou	itputs		
Reaction to CPU STOP			
DI 16/DQ 16\Digital ou			
Channel address	Q8.0	Substitute a value of 1 on a change from RUN to STOP.	0

Totally Integrated			
Automation Porta	1		
DI 16/DQ 16\Digital o	outputs\Channel1		·
Channel address	Q8.1	Substitute a value of 1 on a change from RUN to STOP.	0
OI 16/DQ 16\Digital o	-		
Channel address	Q8.2	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	outputs\Channel3		
Channel address	Q8.3	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	outputs\Channel4		
Channel address	Q8.4	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	-		
Channel address	Q8.5	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q8.6	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	outputs\Channel7		
Channel address	Q8.7	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.0	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.1	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	outputs\Channel10		
Channel address	Q9.2	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o	outputs\Channel11		
Channel address	Q9.3	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.4	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.5	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.6	Substitute a value of 1 on a change from RUN to STOP.	0
DI 16/DQ 16\Digital o			
Channel address	Q9.7	Substitute a value of 1 on a change from RUN to STOP.	0

Totally Integrated				
Automation Portal				
DI 16/DQ 16\I/O addresse	es\Input addresses			
	.0	End address	9.7	
Organization block 0		Process image	0	
DI 16/DQ 16\I/O addresse	es\Output addresses			
	.0	End address	9.7	
Organization block 0		Process image	0	
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