

BC_Kobot

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Totally Integrated Automation Portal		
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PLC [CPU 1511C-1 PN]

PLC

General\Project information

Name	PLC	Author	czpla6
Comment		Rack	0
Slot	1		

General\Catalog information

Short designation	CPU 1511C-1 PN	Description	CPU with display; work memory 175 KB code and 1 MB data; 60 ns bit operation time; 4-stage protection concept, technology functions: motion control, closed-loop control, counting & measuring; tracing; PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-device, MRP, MRPD, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, DNS client, OPC UA server data access, isochronous mode, routing; Runtime options, firmware V2.5 with DI16/DQ16, AI5/AQ2 digital input module DI 16x24VDC, grouping 16; digital output module DQ 16x24VDC/0.5A, grouping 16; analog input module AI 4xU/I, AI 1xRTD, 16-bit, grouping 5; analog output module AQ 2xU/I, 16-bit, grouping 2; 6 channels for counting and measuring with incremental encoders 24 V (up to 100 kHz); 4 channels for PTO, pulse-width modulation, frequency output (up to 100 kHz)
Article number	6ES7 511-1CK01-0AB0	Firmware version	V2.5
	False		

General\Identification & Maintenance

Plant designation		Location identifier	
Installation date	2023-10-20 07:17:28.870	Additional information	

General\Checksums

Text lists	FA 70 E8 75 1D 5A 8E 29	Software	Not available (compile necessary)
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Connection resources\

	Station resources - Reserved - Maximum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - PLC [CPU 1511C-1 PN] - Configured
Maximum number of resources:		10	54	64
	Maximum	Configured	Configured	Configured
PG communication:	4	-	-	-
HMI communication:	4	2	0	2
S7 communication:	0	-	0	0
Open user communication:	0	-	0	0
Web communication:	2	-	-	-
Other communication:	-	-	0	0
Total resources used:		2	0	2
Available resources:		8	54	62

Totally Integrated Automation Portal		
Overview of addresses\Overview of addresses\Overview of addresses		
Inputs	True	Outputs True
Address gaps	False	Slot True

Totally Integrated Automation Portal							
Type	I	Addr. from	0	Addr. to	9	Module	AI 5/AQ 2_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	10 Bytes	Master / IO-system	-	Rack	0	Slot	1 8
Type	O	Addr. from	0	Addr. to	3	Module	AI 5/AQ 2_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO-system	-	Rack	0	Slot	1 8
Type	I	Addr. from	10	Addr. to	11	Module	DI 16/DQ 16_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO-system	-	Rack	0	Slot	1 9
Type	O	Addr. from	4	Addr. to	5	Module	DI 16/DQ 16_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO-system	-	Rack	0	Slot	1 9
Type	I	Addr. from	12	Addr. to	27	Module	HSC_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 16
Type	O	Addr. from	6	Addr. to	17	Module	HSC_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 16
Type	I	Addr. from	28	Addr. to	43	Module	HSC_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 17
Type	O	Addr. from	18	Addr. to	29	Module	HSC_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 17
Type	I	Addr. from	44	Addr. to	59	Module	HSC_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 18
Type	O	Addr. from	30	Addr. to	41	Module	HSC_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 18
Type	I	Addr. from	60	Addr. to	75	Module	HSC_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 19
Type	O	Addr. from	42	Addr. to	53	Module	HSC_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 19
Type	I	Addr. from	76	Addr. to	91	Module	HSC_5

Totally Integrated Automation Portal							
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO system	-	Rack	0	Slot	1 20
Type	O	Addr. from	54	Addr. to	65	Module	HSC_5
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 20
Type	I	Addr. from	92	Addr. to	107	Module	HSC_6
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO system	-	Rack	0	Slot	1 21
Type	O	Addr. from	66	Addr. to	77	Module	HSC_6
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 21
Type	I	Addr. from	108	Addr. to	111	Module	Pulse_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 32
Type	O	Addr. from	78	Addr. to	89	Module	Pulse_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 32
Type	I	Addr. from	112	Addr. to	115	Module	Pulse_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 33
Type	O	Addr. from	90	Addr. to	101	Module	Pulse_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 33
Type	I	Addr. from	116	Addr. to	119	Module	Pulse_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 34
Type	O	Addr. from	102	Addr. to	113	Module	Pulse_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 34
Type	I	Addr. from	120	Addr. to	123	Module	Pulse_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 35
Type	O	Addr. from	114	Addr. to	125	Module	Pulse_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 35
Type	O	Addr. from	126	Addr. to	127	Module	DQ 16x24VDC/ 0.5A HF_1

Totally Integrated Automation Portal							
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO system	-	Rack	0	Slot	2
Type	I	Addr. from	124	Addr. to	125	Module	DI 16x24VDC HF_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO system	-	Rack	0	Slot	3

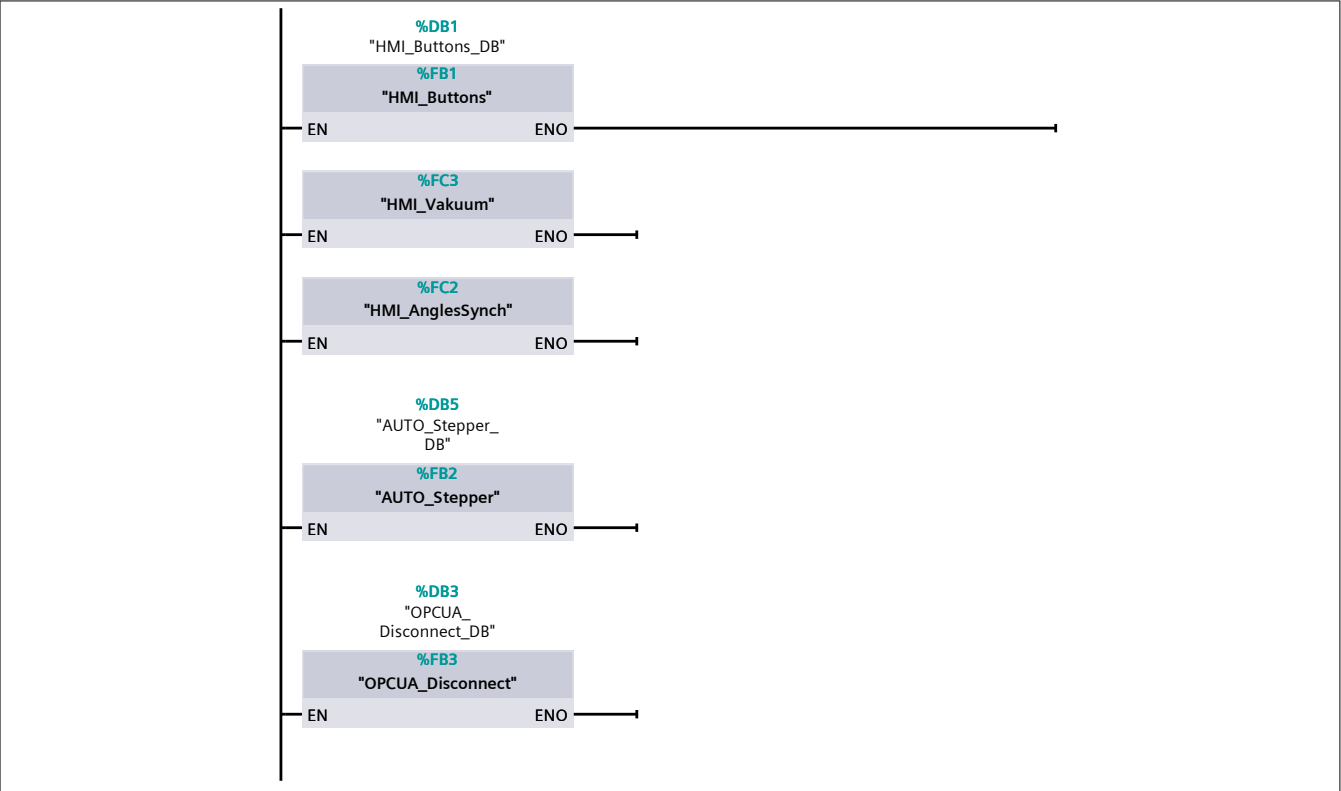
PLC [CPU 1511C-1 PN] / Program blocks

Main [OB1]

Main Properties					
General					
Name	Main	Number	1	Type	OB
Language	LAD	Numbering	Automatic		
Information					
Title	"Main Program Sweep (Cycle)"	Author		Comment	Hlavní organizační blok, ve kterém běží všechny ostatní bloky
Family	MAIN	Version	0.1	User-defined ID	

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

Network 1:



PLC [CPU 1511C-1 PN] / Program blocks / OPCUA

OPCUA_DB [DB2]

OPCUA_DB Properties

General

Name	OPCUA_DB	Number	2	Type	DB
Language	DB	Numbering	Automatic		

Information

Title	OPCUA_DB	Author		Comment	Datablock obsahující všechny proměnné sdílené přes OPC UA
Family	OPCUA	Version	0.1	User-defined ID	

Name	Data type	Start value	Retain
▼ Static			
disconnect	Bool	false	False
mode	Int	0	False
opcua_status	Bool	false	False
speed	Int	50	False
MANALL_angle1	Int	0	False
MANALL_angle2	Int	0	False
MANALL_angle3	Int	0	False
MANALL_angle4	Int	0	False
MANALL_angle5	Int	0	False
MANALL_angle6	Int	0	False
MAN_Move	Bool	false	False
MAN_axis1	Real	0.0	False
MAN_axis2	Real	0.0	False
MAN_axis3	Real	0.0	False
MAN_axis4	Real	0.0	False
MAN_axis5	Real	0.0	False
MAN_axis6	Real	0.0	False
MANRT_Angle	Int	0	False
MANRT_Value	Int	0	False
MANRT_angle1	Int	0	False
MANRT_angle2	Int	0	False
MANRT_angle3	Int	0	False
MANRT_angle4	Int	0	False
MANRT_angle5	Int	0	False
MANRT_angle6	Int	0	False
MANRT_Change	Bool	false	False
JOG_Angle	Int	0	False
JOG_angle1	Int	0	False
JOG_angle2	Int	0	False
JOG_angle3	Int	0	False
JOG_angle4	Int	0	False
JOG_angle5	Int	0	False
JOG_angle6	Int	0	False
JOG_plus	Bool	false	False
JOG_minus	Bool	false	False
JOG_move0	Bool	false	False
JOG_move1	Bool	false	False

Totally Integrated Automation Portal																																																																																																																																																																		
<table><tr><th>Name</th><th>Data type</th><th>Start value</th><th>Retain</th></tr><tr><td>JOG_move2</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>JOG_move3</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>JOG_move4</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>JOG_move5</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>Set_ReleaseServos</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>Set_SetServos</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>Set_CalibrationEnable</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>Set_Calibration</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>Set_angle1</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>Set_angle2</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>Set_angle3</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>Set_angle4</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>Set_angle5</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>Set_angle6</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_Kostka1</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_Start</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Konec</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Running</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Stav</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_Pause</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Paused</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_angle1</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_angle2</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_angle3</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_angle4</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_angle5</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_angle6</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_Resume</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Pozice</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>AUTO_Vakuum</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Step0</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Step1</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Step2</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Step3</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Next0</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Next1</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Next2</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Next3</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>AUTO_Startstav</td><td>Bool</td><td>false</td><td>False</td></tr></table>			Name	Data type	Start value	Retain	JOG_move2	Bool	false	False	JOG_move3	Bool	false	False	JOG_move4	Bool	false	False	JOG_move5	Bool	false	False	Set_ReleaseServos	Bool	false	False	Set_SetServos	Bool	false	False	Set_CalibrationEnable	Bool	false	False	Set_Calibration	Bool	false	False	Set_angle1	Int	0	False	Set_angle2	Int	0	False	Set_angle3	Int	0	False	Set_angle4	Int	0	False	Set_angle5	Int	0	False	Set_angle6	Int	0	False	AUTO_Kostka1	Int	0	False	AUTO_Start	Bool	false	False	AUTO_Konec	Bool	false	False	AUTO_Running	Bool	false	False	AUTO_Stav	Int	0	False	AUTO_Pause	Bool	false	False	AUTO_Paused	Bool	false	False	AUTO_angle1	Int	0	False	AUTO_angle2	Int	0	False	AUTO_angle3	Int	0	False	AUTO_angle4	Int	0	False	AUTO_angle5	Int	0	False	AUTO_angle6	Int	0	False	AUTO_Resume	Bool	false	False	AUTO_Pozice	Int	0	False	AUTO_Vakuum	Bool	false	False	AUTO_Step0	Bool	false	False	AUTO_Step1	Bool	false	False	AUTO_Step2	Bool	false	False	AUTO_Step3	Bool	false	False	AUTO_Next0	Bool	false	False	AUTO_Next1	Bool	false	False	AUTO_Next2	Bool	false	False	AUTO_Next3	Bool	false	False	AUTO_Startstav	Bool	false	False
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AUTO_Step0	Bool	false	False																																																																																																																																																															
AUTO_Step1	Bool	false	False																																																																																																																																																															
AUTO_Step2	Bool	false	False																																																																																																																																																															
AUTO_Step3	Bool	false	False																																																																																																																																																															
AUTO_Next0	Bool	false	False																																																																																																																																																															
AUTO_Next1	Bool	false	False																																																																																																																																																															
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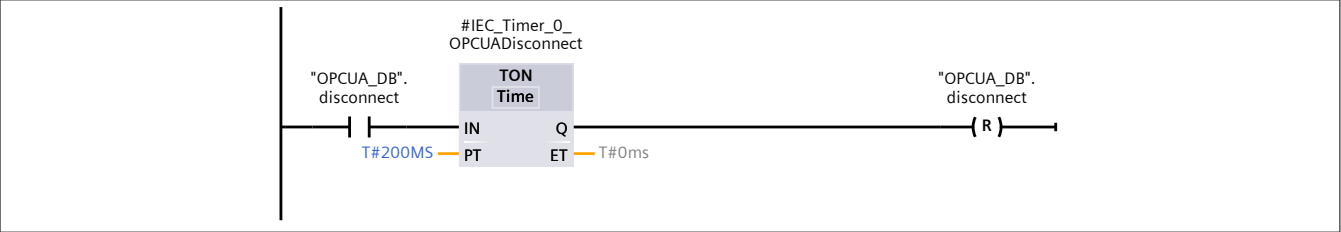
PLC [CPU 1511C-1 PN] / Program blocks / OPCUA

OPCUA_Disconnect [FB3]

OPCUA_Disconnect Properties					
General					
Name	OPCUA_Disconnect	Number	3	Type	FB
Language	LAD	Numbering	Automatic		
Information					
Title	OPCUA_Disconnect	Author		Comment	Block pro přerušení spojení OPCUA - Disconnect klienta v programu Ro-bota
Family	OPCUA	Version	0.1	User-defined ID	

Name	Data type	Default value	Retain
Input			
Output			
InOut			
▼ Static			
IEC_Timer_0_OPCUADisconnect	TON_TIME		Non-retain
Temp			
Constant			

Network 1: BOOL pro odpojení OPCUA



Totally Integrated Automation Portal																																																		
<div>PLC [CPU 1511C-1 PN] / Program blocks / OPCUA</div> <div>OPCUA_Disconnect_DB [DB3]</div> <div><div>OPCUA_Disconnect_DB Properties</div><div><div>General</div><table><tr><td>Name</td><td>OPCUA_Disconnect_DB</td><td>Number</td><td>3</td><td>Type</td><td>DB</td></tr><tr><td>Language</td><td>DB</td><td>Numbering</td><td>Automatic</td><td></td><td></td></tr></table><div>Information</div><table><tr><td>Title</td><td>OPCUA_Disconnect_DB</td><td>Author</td><td></td><td>Comment</td><td>Datablock pro instanci bloku</td></tr><tr><td>Family</td><td>OPCUA</td><td>Version</td><td>0.1</td><td>User-defined ID</td><td></td></tr></table></div><table><tr><th>Name</th><th>Data type</th><th>Start value</th><th>Retain</th></tr><tr><td>Input</td><td></td><td></td><td></td></tr><tr><td>Output</td><td></td><td></td><td></td></tr><tr><td>InOut</td><td></td><td></td><td></td></tr><tr><td>▼ Static</td><td></td><td></td><td></td></tr><tr><td>IEC_Timer_0_OPCUADisconnect</td><td>TON_TIME</td><td></td><td>False</td></tr></table></div>			Name	OPCUA_Disconnect_DB	Number	3	Type	DB	Language	DB	Numbering	Automatic			Title	OPCUA_Disconnect_DB	Author		Comment	Datablock pro instanci bloku	Family	OPCUA	Version	0.1	User-defined ID		Name	Data type	Start value	Retain	Input				Output				InOut				▼ Static				IEC_Timer_0_OPCUADisconnect	TON_TIME		False
Name	OPCUA_Disconnect_DB	Number	3	Type	DB																																													
Language	DB	Numbering	Automatic																																															
Title	OPCUA_Disconnect_DB	Author		Comment	Datablock pro instanci bloku																																													
Family	OPCUA	Version	0.1	User-defined ID																																														
Name	Data type	Start value	Retain																																															
Input																																																		
Output																																																		
InOut																																																		
▼ Static																																																		
IEC_Timer_0_OPCUADisconnect	TON_TIME		False																																															

PLC [CPU 1511C-1 PN] / Program blocks / PANEL

HMI_Buttons [FB1]

HMI_Buttons Properties

General

Name	HMI_Buttons	Number	1	Type	FB
Language	SCL	Numbering	Automatic		

Information

Title	HMI_Buttons	Author		Comment	Block pro tlačítka panelu
Family	PANEL	Version	0.1	User-defined ID	

Name	Data type	Default value	Retain
Input			
Output			
InOut			
▼ Static			
x	Real	0.0	Non-retain
Temp			
Constant			

```
0001 (*Block pro tlačítka panelu*)
0002 IF "Plus" AND "OPCUA_DB".MANRT_Value <= 160 THEN
0003     #x := #x + 0.1;
0004     IF "Clock_10Hz" THEN
0005         "OPCUA_DB".MANRT_Value := "OPCUA_DB".MANRT_Value + REAL_TO_INT(#x);
0006         #x := 0;
0007     END_IF;
0008     IF "OPCUA_DB".MANRT_Value > 160 THEN
0009         "OPCUA_DB".MANRT_Value := 160;
0010     END_IF;
0011 END_IF;
0012
0013 IF "Minus" AND "OPCUA_DB".MANRT_Value >= -160 THEN
0014     #x := #x + 0.1;
0015     IF "Clock_10Hz" THEN
0016         "OPCUA_DB".MANRT_Value := "OPCUA_DB".MANRT_Value - REAL_TO_INT(#x);
0017         #x := 0;
0018     END_IF;
0019     IF "OPCUA_DB".MANRT_Value < -160 THEN
0020         "OPCUA_DB".MANRT_Value := -160;
0021     END_IF;
0022 END_IF;
0023
0024 IF "PlusSpeed" AND "OPCUA_DB".speed <= 100 THEN
0025     "OPCUA_DB".speed := "OPCUA_DB".speed + 10;
0026     IF "OPCUA_DB".speed > 100 THEN
0027         "OPCUA_DB".speed := 100;
0028     END_IF;
0029     "PlusSpeed" := FALSE;
0030 END_IF;
0031 IF "MinusSpeed" AND "OPCUA_DB".speed >= 10 THEN
0032     "OPCUA_DB".speed := "OPCUA_DB".speed - 10;
0033     IF "OPCUA_DB".speed < 10 THEN
0034         "OPCUA_DB".speed := 10;
0035     END_IF;
```

Totally Integrated Automation Portal		
<pre>0036 "MinusSpeed" := FALSE; 0037 END_IF; 0038 0039 IF "Reset" = True THEN 0040 "OPCUA_DB".AUTO_Konec := False; 0041 "OPCUA_DB".AUTO_Running := False; 0042 "OPCUA_DB".AUTO_Next0 := FALSE; 0043 "OPCUA_DB".AUTO_Next1 := FALSE; 0044 "OPCUA_DB".AUTO_Next2 := FALSE; 0045 "OPCUA_DB".AUTO_Next3 := FALSE; 0046 "Reset" := FALSE; 0047 END_IF;</pre>		

Totally Integrated Automation Portal																																																				
<div>PLC [CPU 1511C-1 PN] / Program blocks / PANEL</div> <div>HMI_Buttons_DB [DB1]</div> <div><div>HMI_Buttons_DB Properties</div><div><div>General</div><table><tr><td>Name</td><td>HMI_Buttons_DB</td><td>Number</td><td>1</td><td>Type</td><td>DB</td></tr><tr><td>Language</td><td>DB</td><td>Numbering</td><td>Automatic</td><td></td><td></td></tr></table><div>Information</div><table><tr><td>Title</td><td>HMI_Buttons_DB</td><td>Author</td><td></td><td>Comment</td><td>Datablock pro instanci blocku</td></tr><tr><td>Family</td><td>PANEL</td><td>Version</td><td>0.1</td><td>User-defined ID</td><td></td></tr></table></div></div> <table><tr><th>Name</th><th>Data type</th><th>Start value</th><th>Retain</th></tr><tr><td>Input</td><td></td><td></td><td></td></tr><tr><td>Output</td><td></td><td></td><td></td></tr><tr><td>InOut</td><td></td><td></td><td></td></tr><tr><td>▼ Static</td><td></td><td></td><td></td></tr><tr><td>x</td><td>Real</td><td>0.0</td><td>False</td></tr></table>			Name	HMI_Buttons_DB	Number	1	Type	DB	Language	DB	Numbering	Automatic			Title	HMI_Buttons_DB	Author		Comment	Datablock pro instanci blocku	Family	PANEL	Version	0.1	User-defined ID		Name	Data type	Start value	Retain	Input				Output				InOut				▼ Static				x	Real	0.0	False		
Name	HMI_Buttons_DB	Number	1	Type	DB																																															
Language	DB	Numbering	Automatic																																																	
Title	HMI_Buttons_DB	Author		Comment	Datablock pro instanci blocku																																															
Family	PANEL	Version	0.1	User-defined ID																																																
Name	Data type	Start value	Retain																																																	
Input																																																				
Output																																																				
InOut																																																				
▼ Static																																																				
x	Real	0.0	False																																																	

PLC [CPU 1511C-1 PN] / Program blocks / PANEL

HMI_AnglesSynch [FC2]

HMI_AnglesSynch Properties

General

Name	HMI_AnglesSynch	Number	2	Type	FC
Language	SCL	Numbering	Automatic		

Information

Title	MAN_Angles	Author		Comment	Synchronizace jednotlivých úhlů ramen mezi všemi manuálními režimy
Family	PANEL	Version	0.1	User-defined ID	

Name	Data type	Default value
Input		
Output		
InOut		
Temp		
Constant		
▼ Return		
HMI_AnglesSynch	Void	

```
0001 (*Block pro synchronizaci úhlu os při změně manuálních režimů*)
0002 IF "OPCUA_DB".mode = 1 THEN
0003     IF "HMI_AnglesSynch_DB".MAN_Change1 = TRUE THEN
0004         "OPCUA_DB".MANALL_angle1 := "HMI_AnglesSynch_DB".MAN_angle1;
0005         "OPCUA_DB".MANALL_angle2 := "HMI_AnglesSynch_DB".MAN_angle2;
0006         "OPCUA_DB".MANALL_angle3 := "HMI_AnglesSynch_DB".MAN_angle3;
0007         "OPCUA_DB".MANALL_angle4 := "HMI_AnglesSynch_DB".MAN_angle4;
0008         "OPCUA_DB".MANALL_angle5 := "HMI_AnglesSynch_DB".MAN_angle5;
0009         "OPCUA_DB".MANALL_angle6 := "HMI_AnglesSynch_DB".MAN_angle6;
0010         "HMI_AnglesSynch_DB".MAN_Change1 := FALSE;
0011     END_IF;
0012     "HMI_AnglesSynch_DB".MAN_angle1 := "OPCUA_DB".MANALL_angle1;
0013     "HMI_AnglesSynch_DB".MAN_angle2 := "OPCUA_DB".MANALL_angle2;
0014     "HMI_AnglesSynch_DB".MAN_angle3 := "OPCUA_DB".MANALL_angle3;
0015     "HMI_AnglesSynch_DB".MAN_angle4 := "OPCUA_DB".MANALL_angle4;
0016     "HMI_AnglesSynch_DB".MAN_angle5 := "OPCUA_DB".MANALL_angle5;
0017     "HMI_AnglesSynch_DB".MAN_angle6 := "OPCUA_DB".MANALL_angle6;
0018 END_IF;
0019
0020 IF "OPCUA_DB".mode = 2 THEN
0021     IF "HMI_AnglesSynch_DB".MAN_Change2 = TRUE THEN
0022         "OPCUA_DB".MANRT_angle1 := "HMI_AnglesSynch_DB".MAN_angle1;
0023         "OPCUA_DB".MANRT_angle2 := "HMI_AnglesSynch_DB".MAN_angle2;
0024         "OPCUA_DB".MANRT_angle3 := "HMI_AnglesSynch_DB".MAN_angle3;
0025         "OPCUA_DB".MANRT_angle4 := "HMI_AnglesSynch_DB".MAN_angle4;
0026         "OPCUA_DB".MANRT_angle5 := "HMI_AnglesSynch_DB".MAN_angle5;
0027         "OPCUA_DB".MANRT_angle6 := "HMI_AnglesSynch_DB".MAN_angle6;
0028         IF "OPCUA_DB".MANRT_Angle = 0 THEN
0029             "OPCUA_DB".MANRT_Value := "HMI_AnglesSynch_DB".MAN_angle1;
0030         END_IF;
0031         IF "OPCUA_DB".MANRT_Angle = 1 THEN
0032             "OPCUA_DB".MANRT_Value := "HMI_AnglesSynch_DB".MAN_angle2;
0033         END_IF;
```



```
0034     IF "OPCUA_DB".MANRT_Angle = 2 THEN
0035         "OPCUA_DB".MANRT_Value := "HMI_AngleSynch_DB".MAN_angle3;
0036     END_IF;
0037     IF "OPCUA_DB".MANRT_Angle = 3 THEN
0038         "OPCUA_DB".MANRT_Value := "HMI_AngleSynch_DB".MAN_angle4;
0039     END_IF;
0040     IF "OPCUA_DB".MANRT_Angle = 4 THEN
0041         "OPCUA_DB".MANRT_Value := "HMI_AngleSynch_DB".MAN_angle5;
0042     END_IF;
0043     IF "OPCUA_DB".MANRT_Angle = 5 THEN
0044         "OPCUA_DB".MANRT_Value := "HMI_AngleSynch_DB".MAN_angle6;
0045     END_IF;
0046     "HMI_AngleSynch_DB".MAN_Change2 := FALSE;
0047 END_IF;
0048 "HMI_AngleSynch_DB".MAN_angle1 := "OPCUA_DB".MANRT_angle1;
0049 "HMI_AngleSynch_DB".MAN_angle2 := "OPCUA_DB".MANRT_angle2;
0050 "HMI_AngleSynch_DB".MAN_angle3 := "OPCUA_DB".MANRT_angle3;
0051 "HMI_AngleSynch_DB".MAN_angle4 := "OPCUA_DB".MANRT_angle4;
0052 "HMI_AngleSynch_DB".MAN_angle5 := "OPCUA_DB".MANRT_angle5;
0053 "HMI_AngleSynch_DB".MAN_angle6 := "OPCUA_DB".MANRT_angle6;
0054 END_IF;
0055
0056 IF "OPCUA_DB".mode = 3 THEN
0057     IF "HMI_AngleSynch_DB".MAN_Change3 = TRUE THEN
0058         "OPCUA_DB".JOG_angle1 := "HMI_AngleSynch_DB".MAN_angle1;
0059         "OPCUA_DB".JOG_angle2 := "HMI_AngleSynch_DB".MAN_angle2;
0060         "OPCUA_DB".JOG_angle3 := "HMI_AngleSynch_DB".MAN_angle3;
0061         "OPCUA_DB".JOG_angle4 := "HMI_AngleSynch_DB".MAN_angle4;
0062         "OPCUA_DB".JOG_angle5 := "HMI_AngleSynch_DB".MAN_angle5;
0063         "OPCUA_DB".JOG_angle6 := "HMI_AngleSynch_DB".MAN_angle6;
0064         "HMI_AngleSynch_DB".MAN_Change3 := FALSE;
0065     END_IF;
0066     "HMI_AngleSynch_DB".MAN_angle1 := "OPCUA_DB".JOG_angle1;
0067     "HMI_AngleSynch_DB".MAN_angle2 := "OPCUA_DB".JOG_angle2;
0068     "HMI_AngleSynch_DB".MAN_angle3 := "OPCUA_DB".JOG_angle3;
0069     "HMI_AngleSynch_DB".MAN_angle4 := "OPCUA_DB".JOG_angle4;
0070     "HMI_AngleSynch_DB".MAN_angle5 := "OPCUA_DB".JOG_angle5;
0071     "HMI_AngleSynch_DB".MAN_angle6 := "OPCUA_DB".JOG_angle6;
0072 END_IF;
0073
0074 IF "OPCUA_DB".mode = 10 THEN
0075     "HMI_AngleSynch_DB".MAN_angle1 := "OPCUA_DB".Set_angle1;
0076     "HMI_AngleSynch_DB".MAN_angle2 := "OPCUA_DB".Set_angle2;
0077     "HMI_AngleSynch_DB".MAN_angle3 := "OPCUA_DB".Set_angle3;
0078     "HMI_AngleSynch_DB".MAN_angle4 := "OPCUA_DB".Set_angle4;
0079     "HMI_AngleSynch_DB".MAN_angle5 := "OPCUA_DB".Set_angle5;
0080     "HMI_AngleSynch_DB".MAN_angle6 := "OPCUA_DB".Set_angle6;
0081 END_IF;
0082
0083 IF "OPCUA_DB".mode = 0 THEN
0084     "HMI_AngleSynch_DB".MAN_angle1 := "OPCUA_DB".AUTO_angle1;
0085     "HMI_AngleSynch_DB".MAN_angle2 := "OPCUA_DB".AUTO_angle2;
0086     "HMI_AngleSynch_DB".MAN_angle3 := "OPCUA_DB".AUTO_angle3;
0087     "HMI_AngleSynch_DB".MAN_angle4 := "OPCUA_DB".AUTO_angle4;
0088     "HMI_AngleSynch_DB".MAN_angle5 := "OPCUA_DB".AUTO_angle5;
0089     "HMI_AngleSynch_DB".MAN_angle6 := "OPCUA_DB".AUTO_angle6;
0090 END_IF;
```

Totally Integrated Automation Portal																																																		
<div>PLC [CPU 1511C-1 PN] / Program blocks / PANEL</div> <div>HMI_AngleSynch_DB [DB4]</div> <div><div>HMI_AngleSynch_DB Properties</div><div><div>General</div><table><tr><td>Name</td><td>HMI_AngleSynch_DB</td><td>Number</td><td>4</td><td>Type</td><td>DB</td></tr><tr><td>Language</td><td>DB</td><td>Numbering</td><td>Automatic</td><td></td><td></td></tr></table><div>Information</div><table><tr><td>Title</td><td>HMI_AngleSynch_DB</td><td>Author</td><td></td><td>Comment</td><td>Datablock pro proměnné FC2 - MAN_AnglesSynch</td></tr><tr><td>Family</td><td>PANEL</td><td>Version</td><td>0.1</td><td>User-defined ID</td><td></td></tr></table></div></div>			Name	HMI_AngleSynch_DB	Number	4	Type	DB	Language	DB	Numbering	Automatic			Title	HMI_AngleSynch_DB	Author		Comment	Datablock pro proměnné FC2 - MAN_AnglesSynch	Family	PANEL	Version	0.1	User-defined ID																									
Name	HMI_AngleSynch_DB	Number	4	Type	DB																																													
Language	DB	Numbering	Automatic																																															
Title	HMI_AngleSynch_DB	Author		Comment	Datablock pro proměnné FC2 - MAN_AnglesSynch																																													
Family	PANEL	Version	0.1	User-defined ID																																														
<table><thead><tr><th>Name</th><th>Data type</th><th>Start value</th><th>Retain</th></tr></thead><tbody><tr><td>▼ Static</td><td></td><td></td><td></td></tr><tr><td>MAN_angle1</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_angle2</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_angle3</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_angle4</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_angle5</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_angle6</td><td>Int</td><td>0</td><td>False</td></tr><tr><td>MAN_Change1</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>MAN_Change2</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>MAN_Change3</td><td>Bool</td><td>false</td><td>False</td></tr><tr><td>MAN_Change10</td><td>Bool</td><td>false</td><td>False</td></tr></tbody></table>			Name	Data type	Start value	Retain	▼ Static				MAN_angle1	Int	0	False	MAN_angle2	Int	0	False	MAN_angle3	Int	0	False	MAN_angle4	Int	0	False	MAN_angle5	Int	0	False	MAN_angle6	Int	0	False	MAN_Change1	Bool	false	False	MAN_Change2	Bool	false	False	MAN_Change3	Bool	false	False	MAN_Change10	Bool	false	False
Name	Data type	Start value	Retain																																															
▼ Static																																																		
MAN_angle1	Int	0	False																																															
MAN_angle2	Int	0	False																																															
MAN_angle3	Int	0	False																																															
MAN_angle4	Int	0	False																																															
MAN_angle5	Int	0	False																																															
MAN_angle6	Int	0	False																																															
MAN_Change1	Bool	false	False																																															
MAN_Change2	Bool	false	False																																															
MAN_Change3	Bool	false	False																																															
MAN_Change10	Bool	false	False																																															

Totally Integrated Automation Portal

PLC [CPU 1511C-1 PN] / Program blocks / PANEL

HMI_Vakuum [FC3]

HMI_Vakuum Properties

General

Name	HMI_Vakuum	Number	3	Type	FC
Language	LAD	Numbering	Automatic		

Information

Title	HMI_Vakuum	Author		Comment	Ovládání Vakua
Family	PANEL	Version	0.1	User-defined ID	

Name	Data type	Default value
Input		
Output		
InOut		
Temp		
Constant		
▼ Return		
HMI_Vakuum	Void	

Network 1: Digitální output pro sepnutí ventilu

"OPCUA_DB".
AUTO_Vakuum

%Q127.7
"VakuumBool"

Totally Integrated Automation Portal

PLC [CPU 1511C-1 PN] / Program blocks / PROGRAM

AUTO_Stepper [FB2]

AUTO_Stepper Properties

General

Name	AUTO_Stepper	Number	2	Type	FB
Language	LAD	Numbering	Automatic		

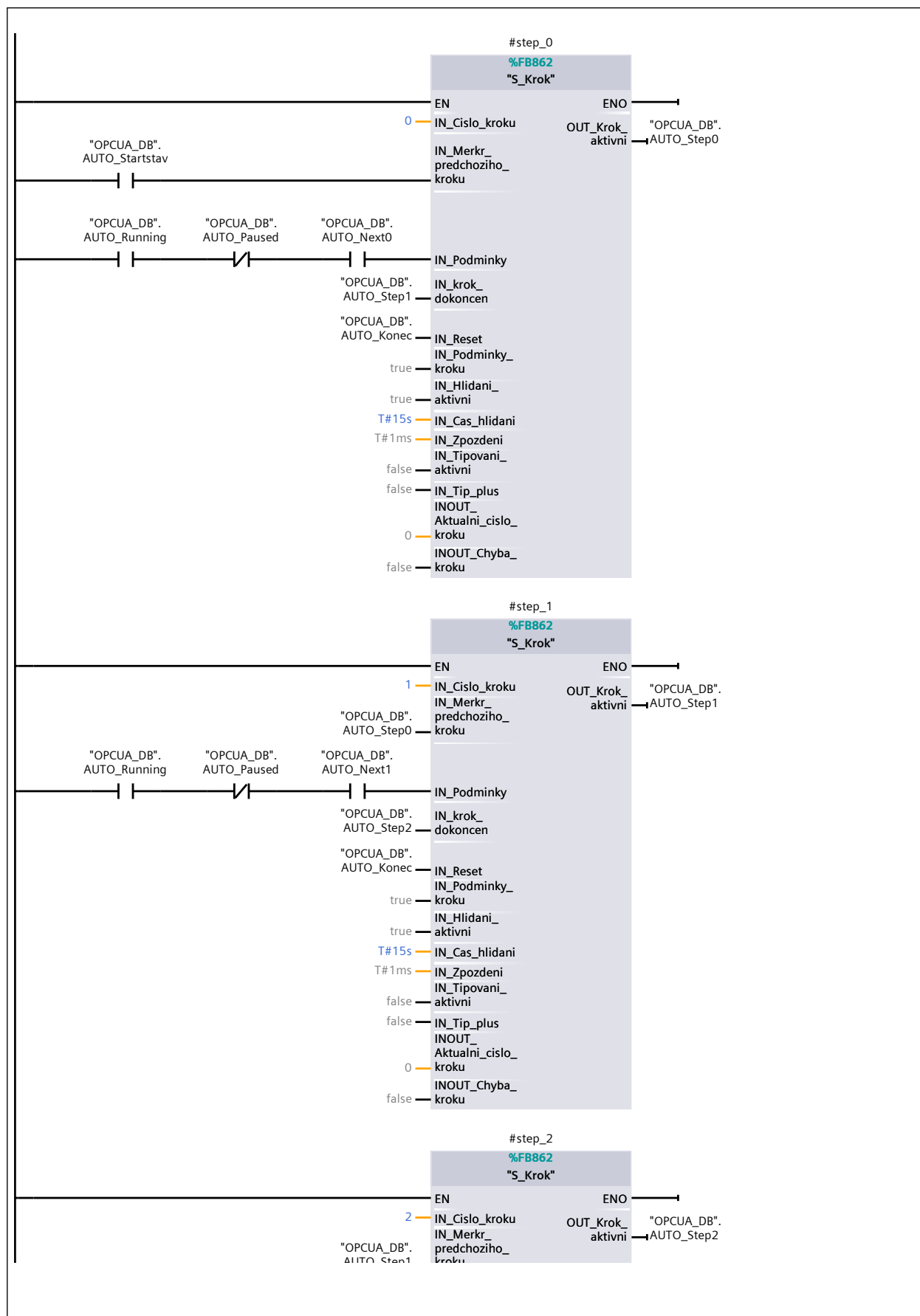
Information

Title	Auto_Stepper	Author		Comment	Krokovač pro automatický režim - 4 kroky pro pozice: pozice 1: najetí nad pozici pozice 2: položení/zvednutí pozice 3: najetí nad pozici pozice 4: najetí na mezi-pozici
Family	PROGRAM	Version	0.1	User-defined ID	

Name	Data type	Default value	Retain
Input			
Output			
InOut			
▼ Static			
step_0	"S_Krok"		
step_1	"S_Krok"		
step_2	"S_Krok"		
step_3	"S_Krok"		
Temp			
Constant			

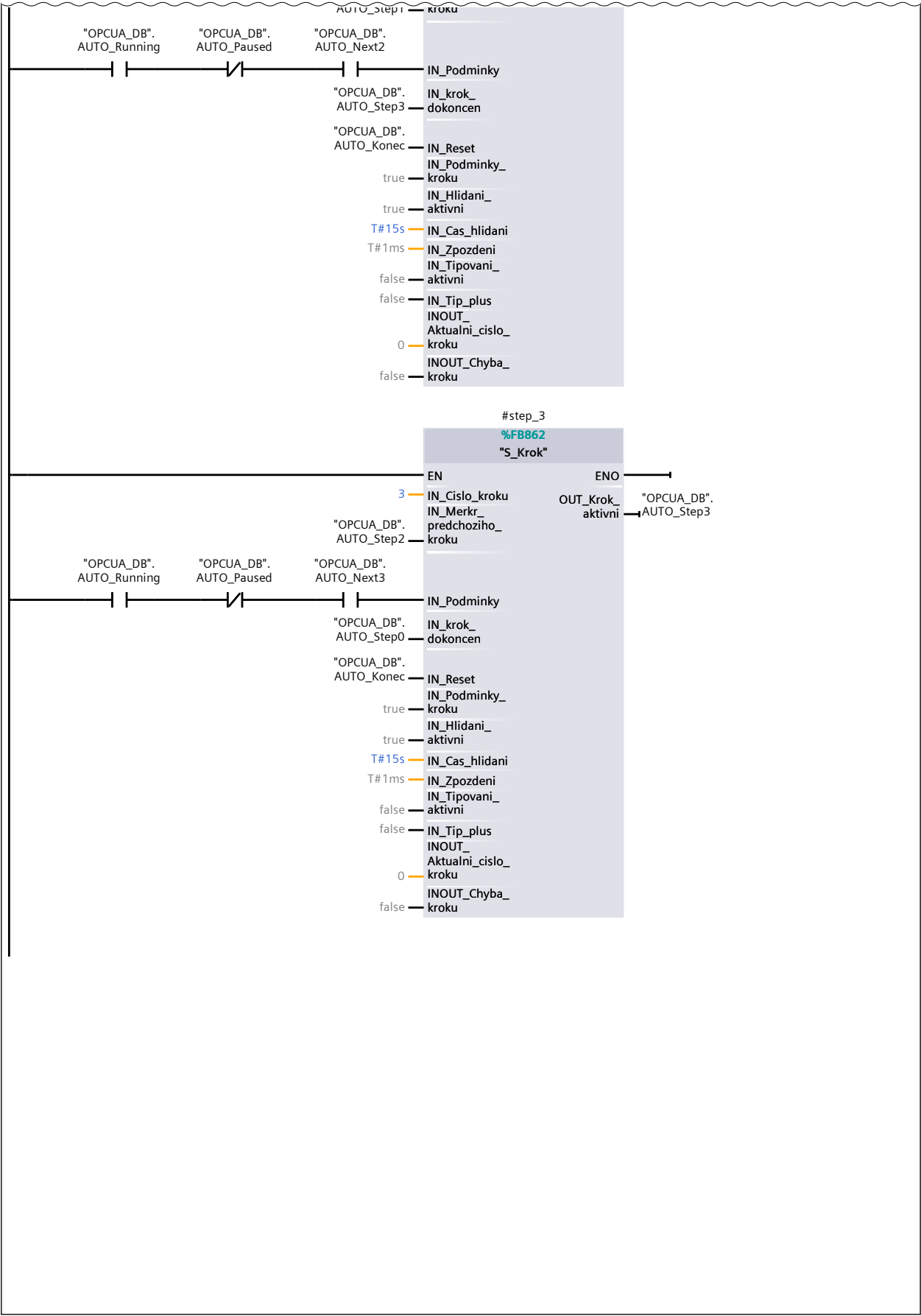
Network 1:

Network 1: (1.1 / 2.1)



Network 1: (2.1 / 2.1)

1.1 (Page13 - 2)



PLC [CPU 1511C-1 PN] / Program blocks / PROGRAM

S_Krok [FB862]

S_Krok Properties

General

Name	S_Krok	Number	862	Type	FB
Language	FBD	Numbering	Manual		

Information

Title	S_Krok	Author	Miele	Comment	S_Stepper - Standardizovaný firemní blok - obsah schovaný kvůli autorským právům
Family	PROGRAM	Version	0.1	User-defined ID	

Name	Data type	Default value	Retain
▼ Input			
IN_Cislo_kroku	Int	0	Non-retain
IN_Merkr_predchoziho_kroku	Bool	true	Non-retain
IN_Podminky	Bool	true	Non-retain
IN_krok_dokoncen	Bool	false	Non-retain
IN_Reset	Bool	false	Non-retain
IN_Podminky_kroku	Bool	true	Non-retain
IN_Hlidani_aktivni	Bool	true	Non-retain
IN_Cas_hlidani	Time	T#3000ms	Non-retain
IN_Zpozdeni	Time	T#1ms	Non-retain
IN_Tipovani_aktivni	Bool	false	Non-retain
IN_Tip_plus	Bool	false	Non-retain
▼ Output			
OUT_Krok_aktivni	Bool	false	Non-retain
▼ InOut			
INOUT_Aktualni_cislo_kroku	Int	0	Non-retain
INOUT_Chyba_kroku	Bool	false	Non-retain
▼ Static			
STAT_Interni_cislo_kroku	Bool	false	Non-retain
STAT_Casovac_hlidani	TON_TIME		Non-retain
STAT_AB_Zpozdeni	TON_TIME		Non-retain

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PLC [CPU 1511C-1 PN] / Program blocks / PROGRAM

AUTO_Stepper_DB [DB5]

AUTO_Stepper_DB Properties

General

Name	AUTO_Stepper_DB	Number	5	Type	DB
Language	DB	Numbering	Automatic		

Information

Title	AUTO_Stepper_DB	Author		Comment	Datablock pro instance Stepperû
Family		Version	0.1	User-defined ID	

Name	Data type	Start value	Retain
Input			
Output			
InOut			
▼ Static			
step_0	"S_Krok"		False
step_1	"S_Krok"		False
step_2	"S_Krok"		False
step_3	"S_Krok"		False

--	--	--





















PLC [CPU 1511C-1 PN]

Technology objects

This folder is empty.

PLC [CPU 1511C-1 PN] / PLC tags / Default tag table [79]

PLC tags

PLC tags				
	Name	Data type	Address	Retain
	Plus	Bool	%M100.0	False
	Minus	Bool	%M100.1	False
	Clock_Byte	Byte	%MB0	False
	Clock_10Hz	Bool	%M0.0	False
	Clock_5Hz	Bool	%M0.1	False
	Clock_2.5Hz	Bool	%M0.2	False
	Clock_2Hz	Bool	%M0.3	False
	Clock_1.25Hz	Bool	%M0.4	False
	Clock_1Hz	Bool	%M0.5	False
	Clock_0.625Hz	Bool	%M0.6	False
	Clock_0.5Hz	Bool	%M0.7	False
	System_Byte	Byte	%MB1	False
	FirstScan	Bool	%M1.0	False
	DiagStatusUpdate	Bool	%M1.1	False
	AlwaysTRUE	Bool	%M1.2	False
	AlwaysFALSE	Bool	%M1.3	False
	PlusSpeed	Bool	%M100.2	False
	MinusSpeed	Bool	%M100.3	False
	VakuumBool	Bool	%Q127.7	False
	Reset	Bool	%M100.5	False

PLC [CPU 1511C-1 PN] / PLC tags / Default tag table [79]

User constants

User constants		
Name	Data type	Value

PLC [CPU 1511C-1 PN] / PLC data types

System data types

This folder is empty.

PLC [CPU 1511C-1 PN]

Traces

Name

PLC [CPU 1511C-1 PN] / Traces

Measurements

This folder is empty.

PLC [CPU 1511C-1 PN] / Traces

Combined measurements

Name

PLC [CPU 1511C-1 PN] / OPC UA communication

Server interfaces

This folder is empty.

PLC [CPU 1511C-1 PN] / PLC supervisions & alarms

Supervisions

This folder is empty.

PLC [CPU 1511C-1 PN] / PLC supervisions & alarms

PLC alarms

PLC alarms					
Name	Type	ID	Alarm text	Info text	Information only

PLC [CPU 1511C-1 PN] / PLC supervisions & alarms

System alarms

System alarms	
Name	SDIAG_ALCAT_SUBMODUL_MSG_0002
Type	PLC alarm
ID	1
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#259K@ @6W%t#262K@ @6W%t#263K@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_MODUL_MSG_0003
Type	PLC alarm
ID	2
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_RACK_MSG_0004
Type	PLC alarm
ID	3
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_DEVICE_MSG_0005
Type	PLC alarm
ID	4
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_IOSYSTEM_MSG_0006
Type	PLC alarm
ID	5
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_CPU_OST_MSG_000D
Type	PLC alarm
ID	6
Alarm text	CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_CPU_INFO_MSG_000F
Type	PLC alarm
ID	7
Alarm text	CPU info: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@
Information only	True
Name	SDIAG_ALCAT_CPU_ERR_MSG_0010
Type	PLC alarm
ID	8

Totally Integrated Automation Portal		
Alarm text	CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CPU_MD_MSG_0011	
Type	PLC alarm	
ID	9	
Alarm text	CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CPU_MR_MSG1_0012	
Type	PLC alarm	
ID	10	
Alarm text	CPU maintenance required: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CPU_TMPERR_MSG_0013	
Type	PLC alarm	
ID	11	
Alarm text	Temporary CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CH_ERR_MSG_0015	
Type	PLC alarm	
ID	12	
Alarm text	Error: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ECH_ERR_MSG_0016	
Type	PLC alarm	
ID	13	
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CH_MD_MSG_0018	
Type	PLC alarm	
ID	14	
Alarm text	Maintenance demanded:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ECH_MD_MSG_0019	
Type	PLC alarm	
ID	15	
Alarm text	Maintenance demanded:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CH_MR_MSG_001B	
Type	PLC alarm	
ID	16	
Alarm text	Maintenance required:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	

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Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ECH_MR_MSG_001C	
Type	PLC alarm	
ID	17	
Alarm text	Maintenance required:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SUB_ERR_MSG_001E	
Type	PLC alarm	
ID	18	
Alarm text	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ESUB_ERR_MSG_001F	
Type	PLC alarm	
ID	19	
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SUB_MD_MSG_0021	
Type	PLC alarm	
ID	20	
Alarm text	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ESUB_MD_MSG_0022	
Type	PLC alarm	
ID	21	
Alarm text	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SUB_MR_MSG_0024	
Type	PLC alarm	
ID	22	
Alarm text	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_ESUB_MR_MSG_0025	
Type	PLC alarm	
ID	23	
Alarm text	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_CONFIG_INFO_0028	
Type	PLC alarm	
ID	24	
Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	

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Name	SDIAG_ALCAT_CONFIG_REPORT_0029	
Type	PLC alarm	
ID	25	
Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SECU_EV_MSG_005E	
Type	PLC alarm	
ID	26	
Alarm text	Security event: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SECU_EV_INFO_005F	
Type	PLC alarm	
ID	27	
Alarm text	Security information: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_USER_MSG_0080	
Type	PLC alarm	
ID	28	
Alarm text	User message: @1W%t#2W@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_PLC_MSG_00FF	
Type	PLC alarm	
ID	29	
Alarm text	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	True	
Name	SDIAG_ALCAT_SUBMODUL_MSG_0102	
Type	PLC alarm	
ID	30	
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_MODUL_MSG_0103	
Type	PLC alarm	
ID	31	
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_RACK_MSG_0104	
Type	PLC alarm	
ID	32	
Alarm text	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_DEVICE_MSG_0105	
Type	PLC alarm	
ID	33	

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Alarm text		Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_IOSYSTEM_MSG_0106	
Type		PLC alarm	
ID		34	
Alarm text		Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CPU_OST_MSG_010D	
Type		PLC alarm	
ID		35	
Alarm text		CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CPU_ERR_MSG_0110	
Type		PLC alarm	
ID		36	
Alarm text		CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CPU_MD_MSG_0111	
Type		PLC alarm	
ID		37	
Alarm text		CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CPU_MR_MSG1_0112	
Type		PLC alarm	
ID		38	
Alarm text		CPU maintenance required: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CH_ERR_MSG_0115	
Type		PLC alarm	
ID		39	
Alarm text		Error: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_ECH_ERR_MSG_0116	
Type		PLC alarm	
ID		40	
Alarm text		Error: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only		False	
Name		SDIAG_ALCAT_CH_MD_MSG_0118	
Type		PLC alarm	
ID		41	
Alarm text		Maintenance demanded:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text		Short name: @6W%t#260K@ Order number: @6W%t#265K@	

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Information only	False	
Name	SDIAG_ALCAT_ECH_MD_MSG_0119	
Type	PLC alarm	
ID	42	
Alarm text	Maintenance demanded:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_CH_MR_MSG_011B	
Type	PLC alarm	
ID	43	
Alarm text	Maintenance required:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_ECH_MR_MSG_011C	
Type	PLC alarm	
ID	44	
Alarm text	Maintenance required:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_SUB_ERR_MSG_011E	
Type	PLC alarm	
ID	45	
Alarm text	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_ESUB_ERR_MSG_011F	
Type	PLC alarm	
ID	46	
Alarm text	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_SUB_MD_MSG_0121	
Type	PLC alarm	
ID	47	
Alarm text	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_ESUB_MD_MSG_0122	
Type	PLC alarm	
ID	48	
Alarm text	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	
Name	SDIAG_ALCAT_SUB_MR_MSG_0124	
Type	PLC alarm	
ID	49	
Alarm text	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	
Information only	False	

Totally Integrated Automation Portal																																						
<table><tr><td>Name</td><td>SDIAG_ALCAT_ESUB_MR_MSG_0125</td></tr><tr><td>Type</td><td>PLC alarm</td></tr><tr><td>ID</td><td>50</td></tr><tr><td>Alarm text</td><td>Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@</td></tr><tr><td>Info text</td><td>Short name: @6W%t#260K@ Order number: @6W%t#265K@</td></tr><tr><td>Information only</td><td>False</td></tr><tr><td>Name</td><td>SDIAG_ALCAT_CONFIG_INFO_0128</td></tr><tr><td>Type</td><td>PLC alarm</td></tr><tr><td>ID</td><td>51</td></tr><tr><td>Alarm text</td><td>Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@</td></tr><tr><td>Info text</td><td>Short name: @6W%t#260K@ Order number: @6W%t#265K@</td></tr><tr><td>Information only</td><td>False</td></tr><tr><td>Name</td><td>SDIAG_ALCAT_PLC_MSG_01FF</td></tr><tr><td>Type</td><td>PLC alarm</td></tr><tr><td>ID</td><td>52</td></tr><tr><td>Alarm text</td><td>PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@</td></tr><tr><td>Info text</td><td>Short name: @6W%t#260K@ Order number: @6W%t#265K@</td></tr><tr><td>Information only</td><td>False</td></tr></table>			Name	SDIAG_ALCAT_ESUB_MR_MSG_0125	Type	PLC alarm	ID	50	Alarm text	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	Information only	False	Name	SDIAG_ALCAT_CONFIG_INFO_0128	Type	PLC alarm	ID	51	Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	Information only	False	Name	SDIAG_ALCAT_PLC_MSG_01FF	Type	PLC alarm	ID	52	Alarm text	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@	Information only	False
Name	SDIAG_ALCAT_ESUB_MR_MSG_0125																																					
Type	PLC alarm																																					
ID	50																																					
Alarm text	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@																																					
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@																																					
Information only	False																																					
Name	SDIAG_ALCAT_CONFIG_INFO_0128																																					
Type	PLC alarm																																					
ID	51																																					
Alarm text	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@																																					
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@																																					
Information only	False																																					
Name	SDIAG_ALCAT_PLC_MSG_01FF																																					
Type	PLC alarm																																					
ID	52																																					
Alarm text	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@																																					
Info text	Short name: @6W%t#260K@ Order number: @6W%t#265K@																																					
Information only	False																																					

PLC [CPU 1511C-1 PN]

PLC alarm text lists

This folder is empty.

PLC [CPU 1511C-1 PN] / Local modules

PLC [CPU 1511C-1 PN]

PLC

General\Project information

Name	PLC	Author	czpla6
Comment		Rack	0
Slot	1		

General\Catalog information

Short designation	CPU 1511C-1 PN	Description	CPU with display; work memory 175 KB code and 1 MB data; 60 ns bit operation time; 4-stage protection concept, technology functions: motion control, closed-loop control, counting & measuring; tracing; PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-device, MRP, MRPD, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, DNS client, OPC UA server data access, isochronous mode, routing; Runtime options, firmware V2.5 with DI16/DQ16, AI5/AQ2 digital input module DI 16x24VDC, grouping 16; digital output module DQ 16x24VDC/0.5A, grouping 16; analog input module AI 4xU/I, AI 1xRTD, 16-bit, grouping 5; analog output module AQ 2xU/I, 16-bit, grouping 2; 6 channels for counting and measuring with incremental encoders 24 V (up to 100 kHz); 4 channels for PTO, pulse-width modulation, frequency output (up to 100 kHz)
Article number	6ES7 511-1CK01-0AB0	Firmware version	V2.5
	False		

General\Identification & Maintenance

Plant designation		Location identifier	
Installation date	2023-10-20 07:17:28.870	Additional information	

General\Checksums

Text lists	FA 70 E8 75 1D 5A 8E 29	Software	Not available (compile necessary)
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Connection resources\

	Station resources - Reserved - Maximum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - PLC [CPU 1511C-1 PN] - Configured
Maximum number of resources:		10	54	64
	Maximum	Configured	Configured	Configured
PG communication:	4	-	-	-
HMI communication:	4	2	0	2
S7 communication:	0	-	0	0
Open user communication:	0	-	0	0
Web communication:	2	-	-	-
Other communication:	-	-	0	0
Total resources used:		2	0	2
Available resources:		8	54	62

Totally Integrated Automation Portal		
Overview of addresses\Overview of addresses\Overview of addresses		
Inputs	True	Outputs True
Address gaps	False	Slot True

Totally Integrated Automation Portal							
Type	I	Addr. from	0	Addr. to	9	Module	AI 5/AQ 2_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	10 Bytes	Master / IO-system	-	Rack	0	Slot	1 8
Type	O	Addr. from	0	Addr. to	3	Module	AI 5/AQ 2_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO-system	-	Rack	0	Slot	1 8
Type	I	Addr. from	10	Addr. to	11	Module	DI 16/DQ 16_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO-system	-	Rack	0	Slot	1 9
Type	O	Addr. from	4	Addr. to	5	Module	DI 16/DQ 16_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO-system	-	Rack	0	Slot	1 9
Type	I	Addr. from	12	Addr. to	27	Module	HSC_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 16
Type	O	Addr. from	6	Addr. to	17	Module	HSC_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 16
Type	I	Addr. from	28	Addr. to	43	Module	HSC_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 17
Type	O	Addr. from	18	Addr. to	29	Module	HSC_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 17
Type	I	Addr. from	44	Addr. to	59	Module	HSC_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 18
Type	O	Addr. from	30	Addr. to	41	Module	HSC_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 18
Type	I	Addr. from	60	Addr. to	75	Module	HSC_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO-system	-	Rack	0	Slot	1 19
Type	O	Addr. from	42	Addr. to	53	Module	HSC_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO-system	-	Rack	0	Slot	1 19
Type	I	Addr. from	76	Addr. to	91	Module	HSC_5

Totally Integrated Automation Portal							
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO system	-	Rack	0	Slot	1 20
Type	O	Addr. from	54	Addr. to	65	Module	HSC_5
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 20
Type	I	Addr. from	92	Addr. to	107	Module	HSC_6
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	16 Bytes	Master / IO system	-	Rack	0	Slot	1 21
Type	O	Addr. from	66	Addr. to	77	Module	HSC_6
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 21
Type	I	Addr. from	108	Addr. to	111	Module	Pulse_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 32
Type	O	Addr. from	78	Addr. to	89	Module	Pulse_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 32
Type	I	Addr. from	112	Addr. to	115	Module	Pulse_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 33
Type	O	Addr. from	90	Addr. to	101	Module	Pulse_2
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 33
Type	I	Addr. from	116	Addr. to	119	Module	Pulse_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 34
Type	O	Addr. from	102	Addr. to	113	Module	Pulse_3
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 34
Type	I	Addr. from	120	Addr. to	123	Module	Pulse_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	4 Bytes	Master / IO system	-	Rack	0	Slot	1 35
Type	O	Addr. from	114	Addr. to	125	Module	Pulse_4
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	12 Bytes	Master / IO system	-	Rack	0	Slot	1 35
Type	O	Addr. from	126	Addr. to	127	Module	DQ 16x24VDC/ 0.5A HF_1

Totally Integrated Automation Portal							
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO system	-	Rack	0	Slot	2
Type	I	Addr. from	124	Addr. to	125	Module	DI 16x24VDC HF_1
PIP	Automatic update	OB	-	Device name	PLC [CPU 1511C-1 PN]	Device number	-
Size	2 Bytes	Master / IO system	-	Rack	0	Slot	3

PLC [CPU 1511C-1 PN] / Local modules

DQ 16x24VDC/0.5A HF_1

DQ 16x24VDC/0.5A HF_1			
Name	DQ 16x24VDC/0.5A HF_1	Rack	0
Slot	2	Article number	6ES7 522-1BH01-0AB0
Short designation	DQ 16x24VDC/0.5A HF	Firmware version	V1.1

PLC [CPU 1511C-1 PN] / Local modules

DI 16x24VDC HF_1

DI 16x24VDC HF_1			
Name	DI 16x24VDC HF_1	Rack	0
Slot	3	Article number	6ES7 521-1BH00-0AB0
Short designation	DI 16x24VDC HF	Firmware version	V2.1