

Totally Integrated Automation Portal

bistabilním_rozvaděčem_4/2 [FB30]

bistabilním_rozvaděčem_4/2 Properties

General

Name	bistabilním_rozvadě- čem_4/2	Number	30	Type	FB	Language	SCL
Numbering	Automatic						

Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ able from HMI/OPC UA/ Web API	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
▼ Input									
button_C	Bool	false	Non-retain	True	True	True	False		
TEACH_IN	Bool	false	Non-retain	True	True	True	False		
C0	Bool	false	Non-retain	True	True	True	False		
C1	Bool	false	Non-retain	True	True	True	False		
reset	Bool	false	Non-retain	True	True	True	False		
▼ Output									
Y0	Bool	false	Non-retain	True	True	True	False		
Y1	Bool	false	Non-retain	True	True	True	False		
ERROR	Bool	false	Non-retain	True	True	True	False		
state	Int	0	Non-retain	True	True	True	False		
delay	Time	T#OMS	Non-retain	True	True	True	False		
InOut									
▼ Static									
Timer_C1_IN	Bool	false	Non-retain	True	True	True	False		
Timer_C1_OUT	Bool	false	Non-retain	True	True	True	False		
Timer_delay_in	Bool	false	Non-retain	True	True	True	False		
Timer_delay_out	Bool	false	Non-retain	True	True	True	False		
Timer_C1_aktualni_cas	Time	T#0ms	Non-retain	True	True	True	False		
Timer_ERROR_IN	Bool	false	Non-retain	True	True	True	False		
Timer_ERROR_OUT	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

0001

0002 CASE #state OF

0003 0:

0004 #Y0 := 0;

0005 #Y1 := 0;

0006 #ERROR := 0;

0007 IF #TEACH_IN AND #button_C AND #C0 THEN

0008 #state := 1;

0009 ELSIF #button_C AND NOT #TEACH_IN THEN

0010 #state := 4;

0011 END_IF;

0012

0013 1: // Statement section case 1

0014 #Y1 := 1;

0015 #Timer_ERROR_IN := true;

0016 IF #C1 AND NOT #button_C AND NOT #Timer_ERROR_OUT THEN

0017 #state := 2;

0018 #Timer_ERROR_IN := false;

0019 ELSIF #Timer_ERROR_OUT=true THEN

0020 #state := 99;

0021 END_IF;

0022

0023

0024 2: // Statement section case 2 to 4

0025 #Timer_C1_IN := TRUE;

0026 IF #button_C AND #TEACH_IN THEN

0027 #state := 3;

0028 END_IF;

0029

0030 3:

0031 IF #Timer_C1_IN THEN

0032 #delay := #Timer_C1_aktualni_cas;

0033 END_IF;

0034 #Timer_C1_IN := false;

0035 #Y0 := 1;

0036 #Y1 := 0;

0037 IF #C0 AND NOT #button_C THEN

0038 #state := 0;

0039 END_IF;

0040

0041 4:

0042 #Y1 := 1;

```

0043 #Y0 := 0;
0044 #Timer_ERROR_IN := true;
0045 IF #C1 AND NOT #Timer_ERROR_OUT THEN
0046     #state := 5;
0047     #Timer_ERROR_IN := false;
0048 ELSIF #Timer_ERROR_OUT=true THEN
0049     #state := 99;
0050 END_IF;
0051
0052 5:
0053     #Timer_delay_in := TRUE;
0054     IF #Timer_delay_out THEN
0055         #state := 6;
0056         #Timer_delay_in := FALSE;
0057     END_IF;
0058
0059 6:
0060     #Y1 := 0;
0061     #Y0 := 1;
0062     IF #C0 AND NOT #C1 AND NOT #button_C THEN
0063         #state := 0;
0064     END_IF;
0065
0066 99:
0067     #Timer_ERROR_IN := FALSE;
0068     #ERROR := 1;
0069     #Y1 := 0;
0070     #Y0 := 1;
0071     IF #reset AND NOT #button_C AND NOT #TEACH_IN AND #C0 THEN
0072         #state := 0;
0073     END_IF;
0074
0075 END_CASE;
0076

```

Symbol	Address	Type	Comment
#button_C		Bool	
#C0		Bool	
#C1		Bool	
#delay		Time	
#ERROR		Bool	
#reset		Bool	
#state		Int	
#TEACH_IN		Bool	
#Timer_C1_aktualni_cas		Time	
#Timer_C1_IN		Bool	
#Timer_delay_in		Bool	
#Timer_delay_out		Bool	
#Timer_ERROR_IN		Bool	
#Timer_ERROR_OUT		Bool	
#Y0		Bool	
#Y1		Bool	