Rozsah_hodnot [FB31]

Rozsah_hodnot Properties						
General						
Name	Rozsah_hodnot	Number	31	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	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
A	Bool	false	Non-retain	True	True	True	False		
▼ Output									
B	Int	0	Non-retain	True	True	True	False		
C	Bool	false	Non-retain	True	True	True	False		
InOut									
▼ Static									
TimerC_led_in	Bool	false	Non-retain	True	True	True	False		
TimerC_led_out	Bool	false	Non-retain	True	True	True	False		
perioda_in	Bool	false	Non-retain	True	True	True	False		
perioda_out	Bool	false	Non-retain	True	True	True	False		
state	Int	1	Non-retain	True	True	True	False		
pamet	Int	0	Non-retain	True	True	True	False		
krok	Time	T#0ms	Non-retain	True	True	True	False		
perioda	Time	T#8s	Non-retain	True	True	True	False		
max_B	Int	100	Non-retain	True	True	True	False		
TimerC_led_OFF_IN	Bool	false	Non-retain	True	True	True	False		
TimerC_led_OFF_OUT	Bool	false	Non-retain	True	True	True	False		
TimerC_led_perioda	Time	T#0ms	Non-retain	True	True	True	False		
TimerC_led_perioda_2	Time	T#0ms	Non-retain	True	True	True	False		
Timer_SWITCH	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

```
0001 #krok := #perioda / #max_B;
0002 #TimerC_led_perioda := T#400ms;
0003 #TimerC_led_perioda_2 := T#100ms;
0004
0005
0006 IF #A THEN
0007    IF #B < 100 THEN
0008       #perioda_in := TRUE;
0009       IF #perioda_out THEN
0010         #B := #B + 1;
0011         #perioda_in := false;
0012       END_IF;
0013    END_IF;
0014
0015    IF #B >= 0.75 * #max_B THEN
0016       #Timer_SWITCH := 1;
0017       IF #state = 1 THEN
0018          #C := 1;
0019       ELSIF #state = 2 THEN
0020          #C := 0;
0021       END_IF;
0022    ELSE
0023       #Timer_SWITCH := 0;
0024    END_IF;
0025
0026 ELSE
0027    #B := 0;
0028    #Timer_SWITCH := 0;
0029    #perioda_in := false;
0030    #C := 0;
0031 END_IF;
0032
0033 CASE #state OF
0034    1:
0035       #TimerC_led_in := true;
0036       #TimerC_led_OFF_IN := false;
0037       IF #TimerC_led_out THEN
0038          #state := 2;
0039       END_IF;
0040
0041    2:
0042       #TimerC_led_in := FALSE;
0043       #TimerC_led_OFF_IN := TRUE;
```

```
0044      IF #TimerC_led_OFF_OUT THEN
0045          #state := 1;
0046      END_IF;
0047
0048 END_CASE;
```

Symbol	Address	Type	Comment
#A		Bool	
#B		Int	
#C		Bool	
#krok		Time	
#max_B		Int	
#perioda		Time	
#perioda_in		Bool	
#perioda_out		Bool	
#state		Int	
#Timer_SWITCH		Bool	
#TimerC_led_in		Bool	
#TimerC_led_OFF_IN		Bool	
#TimerC_led_OFF_OUT		Bool	
#TimerC_led_out		Bool	
#TimerC_led_perioda		Time	
#TimerC_led_perioda_2		Time	