Block_1 [FB23]

Block_1 Properties							
General							
Name	Block_1	**Number**	23	**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									
Sensor_A0	Bool	false	Non-retain	True	True	True	False		
Sensor_A1	Bool	false	Non-retain	True	True	True	False		
start	Bool	false	Non-retain	True	True	True	False		
▼ Output									
YA	Bool	false	Non-retain	True	True	True	False		
stav_motoru	Int	0	Non-retain	True	True	True	False		
Final_cycle	DInt	0	Non-retain	True	True	True	False		
InOut									
▼ Static									
Motor_Timer	Bool	false	Non-retain	True	True	True	False		
cycle	DInt	0	Non-retain	True	True	True	False		
Timer1_start	Bool	false	Non-retain	True	True	True	True		
Timer1_out	Bool	false	Non-retain	True	True	True	False		
Timer2_start	Bool	false	Non-retain	True	True	True	False		
Timer2_out	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

```
0001  CASE #stav_motoru OF
0002
0003    0: //pocatecni stav
0004       #Timer1_start:= false;
0005       #Timer2_start := false;
0006       #cycle := 0;
0007       IF #start = 1 AND #Sensor_A0 = 1 THEN
0008          #stav_motoru := 1;
0009       END_IF;
0010
0011    1: //vyjeti motoru 350ms
0012       #Timer2_start := false;
0013       #YA := 1;
0014       IF #Sensor_A0 = 0 AND #Sensor_A1 = 0 THEN
0015          #Timer1_start := TRUE;
0016       END_IF;
0017
0018       IF #Timer1_out = 1 AND #Sensor_A0 = 0 THEN
0019          #stav_motoru := 2;
0020       END_IF;
0021
0022       IF #Sensor_A1 = 1 THEN
0023          #stav_motoru := 3;
0024       END_IF;
0025
0026    2: // zajeti motoru 600ms
0027       #Timer2_start := true;
0028       #Timer1_start := false;
0029       #YA := 0;
0030
0031       IF #Sensor_A0 = 1 AND #Timer2_out = 1 THEN
0032          #cycle := #cycle + 1;
0033          #stav_motoru := 1;
0034       END_IF;
0035
0036    3:
0037       #Timer1_start := false;
0038       #Timer2_start := false;
0039       #Final_cycle := #cycle;
0040
0041  END_CASE;
```

Symbol	Address	Type	Comment
#cycle		DInt	
#Final_cycle		DInt	
#Sensor_A0		Bool	
#Sensor_A1		Bool	
#start		Bool	

Symbol	Address	Type	Comment
#stav_motoru		Int	
#Timer1_out		Bool	
#Timer1_start		Bool	
#Timer2_out		Bool	
#Timer2_start		Bool	
#YA		Bool	