PWM2 [FB24]

PWM2 Properties					
General					
Name	PWM2	**Number**	24	**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									
Abit	Bool	false	Non-retain	True	True	True	False		
▼ Output									
YA	Bool	false	Non-retain	True	True	True	False		
DUTYCYKL_2	Time	T#0ms	Non-retain	True	True	True	False		
DUTYCYKL	Time	T#0ms	Non-retain	True	True	True	False		
state	Int	0	Non-retain	True	True	True	False		
InOut									
▼ Static									
Timer_1_PWM	Bool	false	Non-retain	True	True	True	False		
Timer_1_PWM_OUT	Bool	false	Non-retain	True	True	True	False		
Timer_2_PWM_OUT	Bool	false	Non-retain	True	True	True	False		
Timer_2_PWM	Bool	false	Non-retain	True	True	True	False		
MODE	Int	1	Non-retain	True	True	True	False		
Spinac	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

```
0001 IF #Abit = TRUE  THEN
0002   IF #MODE < 3 THEN
0003     #MODE := #MODE + 1;
0004     #Spinac := 1;
0005   ELSIF #MODE = 3 THEN
0006     #MODE := 0;
0007   END_IF;
0008 END_IF;
0009
0010 IF #MODE = 1 THEN
0011   #DUTYCYKL := T#0.75s;
0012   #DUTYCYKL_2 := T#1s - #DUTYCYKL;
0013 END_IF;
0014
0015 IF #MODE = 2 THEN
0016   #DUTYCYKL := T#0.5s;
0017   #DUTYCYKL_2 := T#1s - #DUTYCYKL;
0018 END_IF;
0019
0020 IF #MODE = 3 THEN
0021   #DUTYCYKL := T#0.25s;
0022   #DUTYCYKL_2 := T#1s - #DUTYCYKL;
0023 END_IF;
0024
0025 CASE #state OF
0026   0:
0027     #Timer_1_PWM := TRUE;
0028     #YA := 1;
0029     IF #MODE = 3 THEN
0030       #Timer_1_PWM := FALSE;
0031       #state := 1;
0032     END_IF;
0033
0034   1:
0035     #Timer_2_PWM := TRUE;
0036     #YA := 0;
0037     IF #MODE=3 THEN
0038       #Timer_2_PWM := FALSE;
0039       #state := 0;
0040     END_IF;
0041 END_CASE;
0042
0043
```

Symbol	Address	Type	Comment
#Abit		Bool	
#DUTYCYKL		Time	
#DUTYCYKL_2		Time	
#MODE		Int	
#Spinac		Bool	

Symbol	Address	Type	Comment
#state		Int	
#Timer_1_PWM		Bool	
#Timer_2_PWM		Bool	
#YA		Bool	