

Totally Integrated Automation Portal

motor [FB1]

motor Properties

General

Name	motor	Number	1	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									
cmd_X	Bool	false	Non-retain	True	True	True	False		
X0	Bool	false	Non-retain	True	True	True	False		
X1	Bool	false	Non-retain	True	True	True	False		
OK	Bool	false	Non-retain	True	True	True	False		
▼ Output									
stav	Int	27	Non-retain	True	True	True	False		
YX0	Bool	false	Non-retain	True	True	True	False		
YX1	Bool	false	Non-retain	True	True	True	False		
WatchTimeOut	Bool	false	Non-retain	True	True	True	False		
WTimeOut	Time	T#0ms	Non-retain	True	True	True	False		
InOut									
▼ Static									
▼ WatchDog	TON_TIME		Non-retain	True	True	True	True		
PT	Time	T#0ms	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
▼ Temp									
WatchTime	Time								
WatchTimeOn	Bool								
▼ Constant									
WD_13	Time	T#1000ms							
WD_1	Time	T#1000ms							
WD_2	Time	T#4000ms							
WD_3	Time	T#1000ms							
WD_12	Time	T#1000ms							
WD_11	Time	T#2000ms							

0001 CASE #stav OF

0002

0003 27:

0004 #YX0 := 1;

0005 #YX1 := 0;

0006 IF #X0 = 1 AND #X1 = 0 THEN

0007 #stav := 0;

0008 END_IF;

0009

0010 0:

0011 #YX0 := 0;

0012 #YX1 := 0;

0013 IF #cmd_X = 1 THEN

0014 #stav := 1;

0015 END_IF;

0016 1:

0017 #WatchTimeOn := 1;

0018 #WatchTime := #WD_1;

0019 #YX1 := 1;

0020 IF #X0 = 0 THEN

0021 #stav := 2;

0022 #WatchTimeOn := 0;

0023 ELSIF #WatchTimeOut = 1 THEN

0024 #stav := 102;

0025 #WatchTimeOn := 0;

0026 END_IF;

0027

0028 102:

0029 #YX0 := 0;

0030 #YX1 := 0;

0031 IF #X0 = 0 AND #OK = 1 THEN

0032 #stav := 2;

0033 END_IF;

0034

0035 2:

0036 #WatchTimeOn := 1;

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0037	#WatchTime := #WD_2;	
0038	#YX0 := 1;	
0039	IF #X0 = 1 THEN	
0040	#stav := 3;	
0041	#WatchTimeOn := 0;	
0042	ELSIF #cmd_X = 0 AND #X0 = 0 THEN	
0043	#stav := 3;	
0044	#WatchTimeOn := 0;	
0045	ELSIF #WatchTimeOut =1 THEN	
0046	#stav := 110;	
0047	#WatchTimeOn := 0;	
0048		
0049	END_IF;	
0050		
0051	110:	
0052	#YX0 := 0;	
0053	#YX1 := 0;	
0054	IF #X1 = 1 AND #OK = 1 THEN	
0055	#stav := 10;	
0056	END_IF;	
0057		
0058	3:	
0059	#YX1 := 0;	
0060	#WatchTimeOn := 1;	
0061	#WatchTime := #WD_3;	
0062	IF #X0 = 1 THEN	
0063	#stav := 0;	
0064	#WatchTimeOn := 0;	
0065	ELSIF #WatchTimeOut = 1 THEN	
0066	#stav := 103;	
0067	#WatchTimeOn := 0;	
0068	END_IF;	
0069		
0070	103:	
0071	#YX0 := 0;	
0072	#YX1 := 0;	
0073	IF #X0 = 1 AND #OK = 1 THEN	
0074	#stav := 0;	
0075	END_IF;	
0076	10:	
0077	#YX0 := 1;	
0078	IF #cmd_X = 0 THEN	
0079	#stav := 11;	
0080	END_IF;	
0081		
0082	11:	
0083	#YX0 := 0;	
0084	#WatchTimeOn := 1;	
0085	#WatchTime := #WD_11;	
0086	IF #X0 = 1 THEN	
0087	#stav := 12;	
0088	#WatchTimeOn := 0;	
0089	ELSIF #WatchTimeOut = 1 THEN	
0090	#stav := 112;	
0091	#WatchTimeOn := 0;	
0092	END_IF;	
0093		
0094	12:	
0095	#YX0 := 0;	
0096	#YX1 := 0;	
0097	#WatchTimeOn := 1;	
0098	#WatchTime := #WD_12;	
0099	IF #X0 = 1 THEN	
0100	#stav := 0;	
0101	#WatchTimeOn := 0;	
0102	ELSIF #cmd_X = 1 AND #X1 = 0 THEN	
0103	#stav := 13;	
0104	ELSIF #WatchTimeOut = 1 THEN	
0105	#stav := 100;	
0106	#WatchTimeOn := 0;	
0107	END_IF;	
0108		
0109	100:	
0110	#YX0 := 0;	
0111	#YX1 := 0;	
0112	IF #X0 = 1 AND #OK = 1 THEN	
0113	#stav := 0;	
0114	END_IF;	
0115		
0116	112:	
0117	#YX0 := 0;	
0118	#YX1 := 0;	
0119	IF #X1 = 0 AND #OK = 1 THEN	
0120	#stav := 12;	
0121	END_IF;	
0122		
0123	13:	
0124	#YX1 := 1;	
0125	#WatchTimeOn := 1;	
0126	#WatchTime := #WD_13;	
0127	IF #X1 = 1 THEN	

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<div>0128 #stav := 10;</div> <div>0129 #WatchTimeOn := 0;</div> <div>0130 ELSIF #WatchTimeOut = 1 THEN</div> <div>0131 #stav := 113;</div> <div>0132 #WatchTimeOn := 0;</div> <div>0133 END_IF;</div> <div>0134</div> <div>0135 113:</div> <div>0136 #YX0 := 0;</div> <div>0137 #YX1 := 0;</div> <div>0138 IF #X1 = 1 AND #OK = 1 THEN</div> <div>0139 #stav := 10;</div> <div>0140 END_IF;</div> <div>0141</div> <div>0142 END_CASE;</div> <div>0143</div> <div>0144 #WatchDog(IN:=#WatchTimeOn,</div> <div>0145 PT:=#WatchTime,</div> <div>0146 Q=>#WatchTimeOut,</div> <div>0147 ET=>#WTimeOut);</div> <div>0148</div> <div>0149</div>			
Symbol	Address	Type	Comment
#cmd_X		Bool	
#OK		Bool	
#stav		Int	
#WatchDog		IEC_Timer	
#WatchTime		Time	
#WatchTimeOn		Bool	
#WatchTimeOut		Bool	
#WD_1	T#1000ms	Time	
#WD_2	T#4000ms	Time	
#WD_3	T#1000ms	Time	
#WD_11	T#2000ms	Time	
#WD_12	T#1000ms	Time	
#WD_13	T#1000ms	Time	
#WTimeOut		Time	
#X0		Bool	
#X1		Bool	
#YX0		Bool	
#YX1		Bool	