

Totally Integrated Automation Portal

stavy stroje [FB3]

stavy stroje Properties

General

Name	stavy stroje	Number	3	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									
start	Bool	false	Non-retain	True	True	True	False		
e-stop	Bool	false	Non-retain	True	True	True	False		
Rst	Bool	false	Non-retain	True	True	True	False		
stop	Bool	false	Non-retain	True	True	True	False		
manual	Bool	false	Non-retain	True	True	True	False		
service	Bool	false	Non-retain	True	True	True	False		
▼ Output									
S_init	Bool	false	Non-retain	True	True	True	False		
S_init_end	Bool	false	Non-retain	True	True	True	False		
S_idle	Bool	false	Non-retain	True	True	True	False		
S_automation	Bool	false	Non-retain	True	True	True	False		
S_stop	Bool	false	Non-retain	True	True	True	False		
S_error	Bool	false	Non-retain	True	True	True	False		
S_service	Bool	false	Non-retain	True	True	True	False		
S_manual	Bool	false	Non-retain	True	True	True	False		
S_emergency	Bool	false	Non-retain	True	True	True	False		
superstav	Int	0	Non-retain	True	True	True	False		
InOut									
▼ Static									
inicialisation	Bool	false	Non-retain	True	True	True	False		
WD	Bool	false	Non-retain	True	True	True	False		
logic	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

0001 // Hlavni program, který realizuje provozni stavy stroje// Aktualni stav je popsán globalni promennou "superstav"

0002 // Pro prechod do jineho stavu je nutne stisknout odpovidajici tlacitko

0003 CASE "superstav" OF

0004

0005 1: // Init

0006 #S\_init := 1;

0007 #S\_init\_end := 0;

0008 #S\_idle := 0;

0009 #S\_automation := 0;

0010 #S\_stop := 0;

0011 #S\_error := 0;

0012 #S\_service := 0;

0013 #S\_manual := 0;

0014 #S\_emergency := 0;

0015 #inicialisation := 1;

0016 #WD := 0;

0017

0018 IF #inicialisation THEN

0019 IF NOT (#WD) THEN

0020 #superstav := 2;

0021 ELSE

0022 IF #WD THEN

0023 #superstav := 6;

0024 END\_IF;

0025 END\_IF;

0026 END\_IF;

0027

0028 2: // Konec init

0029 #S\_init := 0;

0030 #S\_init\_end := 1;

0031 #S\_idle := 0;

0032 #S\_automation := 0;

0033 #S\_stop := 0;

0034 #S\_error := 0;

0035 #S\_service := 0;

0036 #S\_manual := 0;

0037 #S\_emergency := 0;

0038 #logic := 0;

0039 IF NOT #WD THEN

0040 #superstav := 3;

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0041	ELSE	
0042	#superstav := 6;	
0043	END_IF;	
0044		
0045	3: // IDLE	
0046	#S_init := 0;	
0047	#S_init_end := 0;	
0048	#S_idle := 1;	
0049	#S_automation := 0;	
0050	#S_stop := 0;	
0051	#S_error := 0;	
0052	#S_service := 0;	
0053	#S_manual := 0;	
0054	#S_emergency := 0;	
0055	#logic := 0;	
0056	IF #start THEN	
0057	#superstav := 4;	
0058	ELSE	
0059	IF #manual THEN	
0060	#superstav := 8;	
0061	ELSE	
0062	IF #service THEN	
0063	#superstav := 7;	
0064	END_IF;	
0065	END_IF;	
0066	END_IF;	
0067		
0068	4: // Tech.proces	
0069	#S_init := 0;	
0070	#S_init_end := 0;	
0071	#S_idle := 0;	
0072	#S_automation := 1;	
0073	#S_stop := 0;	
0074	#S_error := 0;	
0075	#S_service := 0;	
0076	#S_manual := 0;	
0077	#S_emergency := 0;	
0078	IF #stop AND (NOT #WD) THEN	
0079	#superstav := 3;	
0080	ELSE	
0081	IF #WD THEN	
0082	#superstav := 6;	
0083	END_IF;	
0084	END_IF;	
0085		
0086	5: // Stop	
0087	#S_init := 0;	
0088	#S_init_end := 0;	
0089	#S_idle := 0;	
0090	#S_automation := 0;	
0091	#S_stop := 1;	
0092	#S_error := 0;	
0093	#S_service := 0;	
0094	#S_manual := 0;	
0095	#S_emergency := 0;	
0096	#logic := 0;	
0097	IF #start THEN	
0098	#superstav := 4;	
0099	ELSE	
0100	IF #Rst THEN	
0101	#superstav := 3;	
0102	ELSIF #stop THEN	
0103	#superstav := 3;	
0104	END_IF;	
0105	END_IF;	
0106		
0107	6: // Error	
0108	#S_init := 0;	
0109	#S_init_end := 0;	
0110	#S_idle := 0;	
0111	#S_automation := 0;	
0112	#S_stop := 0;	
0113	#S_error := 1;	
0114	#S_service := 0;	
0115	#S_manual := 0;	
0116	#S_emergency := 0;	
0117	#logic := 0;	
0118	IF #Rst THEN	
0119	#superstav := 1;	
0120	ELSE	
0121	IF #manual THEN	
0122	#superstav := 8;	
0123	ELSE	
0124	IF #service THEN	
0125	#superstav := 7;	
0126	ELSE	
0127	IF #stop THEN	
0128	#superstav := 3;	
0129	END_IF;	
0130	END_IF;	
0131	END_IF;	

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<pre>0132     END_IF; 0133 0134 7:  // Service 0135     #S_init := 0; 0136     #S_init_end := 0; 0137     #S_idle := 0; 0138     #S_automation := 0; 0139     #S_stop := 0; 0140     #S_error := 0; 0141     #S_service := 1; 0142     #S_manual := 0; 0143     #S_emergency := 0; 0144     #logic := 0; 0145 0146     IF #Rst THEN 0147         #superstav := 1; 0148     ELSIF #stop THEN 0149         #superstav := 3; 0150     END_IF; 0151 0152 8:  // Manual 0153     #S_init := 0; 0154     #S_init_end := 0; 0155     #S_idle := 0; 0156     #S_automation := 0; 0157     #S_stop := 0; 0158     #S_error := 0; 0159     #S_service := 0; 0160     #S_manual := 1; 0161     #S_emergency := 0; 0162     #logic := 0; 0163 0164     IF #Rst THEN 0165         #superstav := 1; 0166     ELSIF #stop THEN 0167         #superstav := 3; 0168     END_IF; 0169 0170 0171 0:  // Emergency 0172 #S_init := 0; 0173 #S_init_end := 0; 0174 #S_idle := 0; 0175 #S_automation := 0; 0176 #S_stop := 0; 0177 #S_error := 0; 0178 #S_service := 0; 0179 #S_manual := 0; 0180 #S_emergency := 1; 0181 #logic := 0; 0182 0183 IF #Rst AND (NOT #"e-stop") THEN 0184     #superstav := 1; 0185 END_IF; 0186 ELSE                                // Statement section ELSE 0187     ; 0188 END_CASE; 0189 0190 // Emergency 0191 IF  #"e-stop" THEN 0192 #superstav := 0; 0193 END_IF; 0194 0195</pre>			
Symbol	Address	Type	Comment
"superstav"	%MW106	Int	
"e-stop"		Bool	
#inicialisation		Bool	
#logic		Bool	
#manual		Bool	
#Rst		Bool	
#S_automation		Bool	
#S_emergency		Bool	
#S_error		Bool	
#S_idle		Bool	
#S_init		Bool	
#S_init_end		Bool	
#S_manual		Bool	
#S_service		Bool	
#S_stop		Bool	
#service		Bool	
#start		Bool	
#stop		Bool	
#superstav		Int	
#WD		Bool	