

Totally Integrated Automation Portal

Shelfs [FB21]

Shelfs Properties

General

Name	Shelfs	Number	21	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									
Put_in	Bool	false	Non-retain	True	True	True	False		
Take_out	Bool	false	Non-retain	True	True	True	False		
Empty_storage	Bool	false	Non-retain	True	True	True	False		
Selected_shelves	Int	0	Non-retain	True	True	True	False		
▼ Output									
error	Bool	false	Non-retain	True	True	True	False		
Next filled shelves	Int	0	Non-retain	True	True	True	False		
shelves_empty	Bool	false	Non-retain	True	True	True	False		
InOut									
▼ Static									
▼ shelves	Array[0..99] of Bool		Non-retain	False	False	False	False		
shelves[0]	Bool	false	Non-retain	False	False	False	False		
shelves[1]	Bool	false	Non-retain	False	False	False	False		
shelves[2]	Bool	false	Non-retain	False	False	False	False		
shelves[3]	Bool	false	Non-retain	False	False	False	False		
shelves[4]	Bool	false	Non-retain	False	False	False	False		
shelves[5]	Bool	false	Non-retain	False	False	False	False		
shelves[6]	Bool	false	Non-retain	False	False	False	False		
shelves[7]	Bool	false	Non-retain	False	False	False	False		
shelves[8]	Bool	false	Non-retain	False	False	False	False		
shelves[9]	Bool	false	Non-retain	False	False	False	False		
shelves[10]	Bool	false	Non-retain	False	False	False	False		
shelves[11]	Bool	false	Non-retain	False	False	False	False		
shelves[12]	Bool	false	Non-retain	False	False	False	False		
shelves[13]	Bool	false	Non-retain	False	False	False	False		
shelves[14]	Bool	false	Non-retain	False	False	False	False		
shelves[15]	Bool	false	Non-retain	False	False	False	False		
shelves[16]	Bool	false	Non-retain	False	False	False	False		
shelves[17]	Bool	false	Non-retain	False	False	False	False		
shelves[18]	Bool	false	Non-retain	False	False	False	False		
shelves[19]	Bool	false	Non-retain	False	False	False	False		
shelves[20]	Bool	false	Non-retain	False	False	False	False		
shelves[21]	Bool	false	Non-retain	False	False	False	False		
shelves[22]	Bool	false	Non-retain	False	False	False	False		
shelves[23]	Bool	false	Non-retain	False	False	False	False		
shelves[24]	Bool	false	Non-retain	False	False	False	False		
shelves[25]	Bool	false	Non-retain	False	False	False	False		
shelves[26]	Bool	false	Non-retain	False	False	False	False		
shelves[27]	Bool	false	Non-retain	False	False	False	False		
shelves[28]	Bool	false	Non-retain	False	False	False	False		
shelves[29]	Bool	false	Non-retain	False	False	False	False		
shelves[30]	Bool	false	Non-retain	False	False	False	False		
shelves[31]	Bool	false	Non-retain	False	False	False	False		
shelves[32]	Bool	false	Non-retain	False	False	False	False		
shelves[33]	Bool	false	Non-retain	False	False	False	False		
shelves[34]	Bool	false	Non-retain	False	False	False	False		
shelves[35]	Bool	false	Non-retain	False	False	False	False		
shelves[36]	Bool	false	Non-retain	False	False	False	False		
shelves[37]	Bool	false	Non-retain	False	False	False	False		
shelves[38]	Bool	false	Non-retain	False	False	False	False		
shelves[39]	Bool	false	Non-retain	False	False	False	False		
shelves[40]	Bool	false	Non-retain	False	False	False	False		
shelves[41]	Bool	false	Non-retain	False	False	False	False		
shelves[42]	Bool	false	Non-retain	False	False	False	False		
shelves[43]	Bool	false	Non-retain	False	False	False	False		
shelves[44]	Bool	false	Non-retain	False	False	False	False		
shelves[45]	Bool	false	Non-retain	False	False	False	False		
shelves[46]	Bool	false	Non-retain	False	False	False	False		
shelves[47]	Bool	false	Non-retain	False	False	False	False		
shelves[48]	Bool	false	Non-retain	False	False	False	False		

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<div>0023 EXIT; // Exit the loop as we found a filled shelf</div> <div>0024 END_IF;</div> <div>0025 #counter_temp := #counter_temp + 1; // Increment counter</div> <div>0026 END_WHILE;</div> <div>0027</div> <div>0028 // Check if no filled shelves were found</div> <div>0029 IF #"Next filled shelves" = -1 THEN</div> <div>0030 #shelves_empty := TRUE;</div> <div>0031 ELSIF #Put_in THEN</div> <div>0032 #shelves_empty := FALSE;</div> <div>0033 END_IF;</div> <div>0034</div>		