

Totally Integrated Automation Portal		
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Main [OB1]

Main Properties

General

Name	Main	Number	1	Type	OB
Language	LAD	Numbering	Manual		

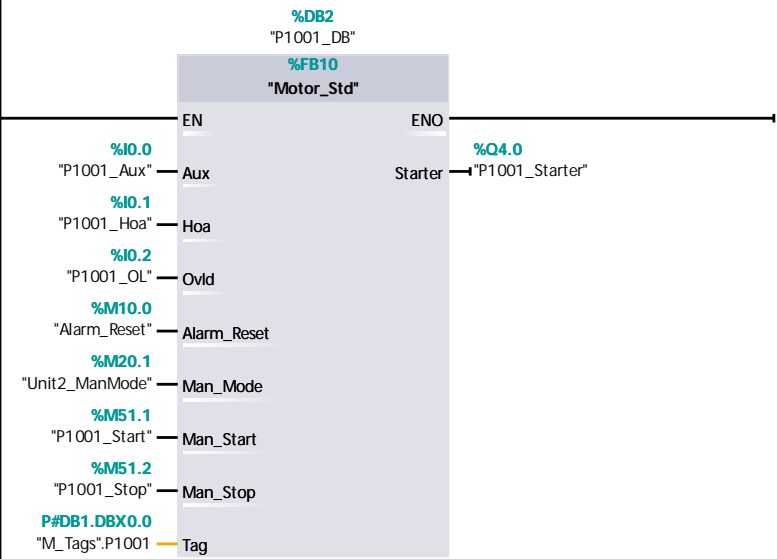
Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Example 11.1 Motor Control FB Copyright (c) 2022 Dogwood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Temp		
OB1_EV_CLASS	Byte	
OB1_SCAN_1	Byte	
OB1_PRIORITY	Byte	
OB1_OB_NUMBR	Byte	
OB1_RESERVED_1	Byte	
OB1_RESERVED_2	Byte	
OB1_PREV_CYCLE	Int	
OB1_MIN_CYCLE	Int	
OB1_MAX_CYCLE	Int	
OB1_DATE_TIME	Date_And_Time	
Constant		

Network 1: P1001 control

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Motor_Std [FB10]

Motor_Std Properties

General

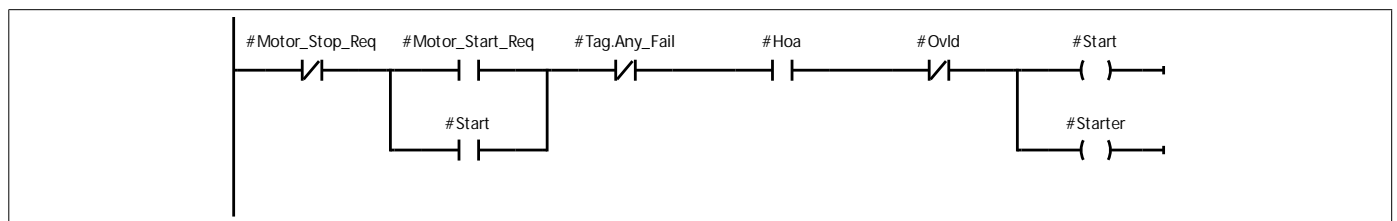
Name	Motor_Std	Number	10	Type	FB
Language	LAD	Numbering	Manual		

Information

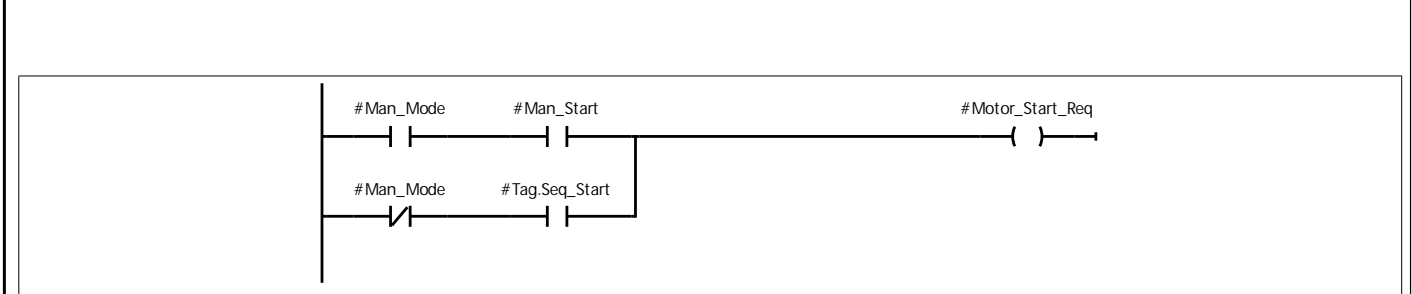
Title		Author		Comment	Example 11.1 Motor function block Copyright (c) 2011 Dogwood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Input		
Aux	Bool	false
Hoa	Bool	false
Ovld	Bool	false
Alarm_Reset	Bool	false
Man_Mode	Bool	false
Man_Start	Bool	false
Man_Stop	Bool	false
▼ Output		
Starter	Bool	false
▼ InOut		
Tag	"Motor_Std_Type"	
▼ Static		
Motor_Start_Req	Bool	false
Motor_Stop_Req	Bool	false
Alw_On	Bool	TRUE
Fail_Tmr	TON_TIME	
Start	Bool	false
▼ Temp		
TempBit	Bool	
Constant		

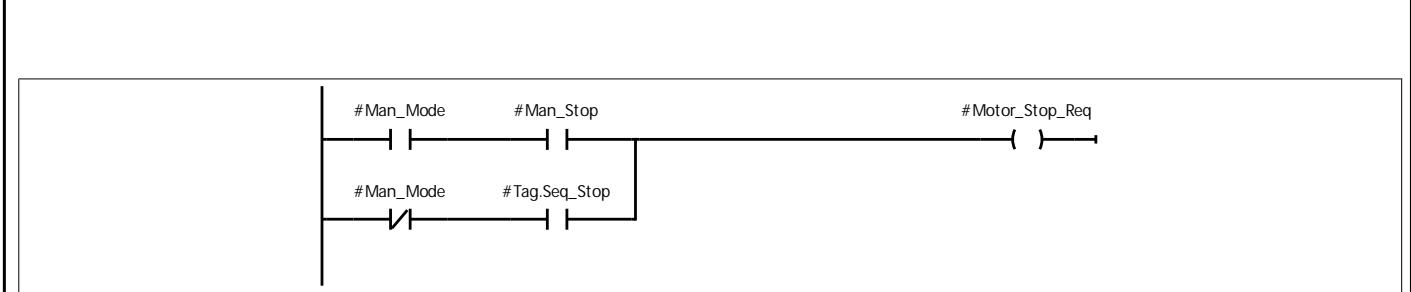
Network 1: Main control that drives motor starter contact



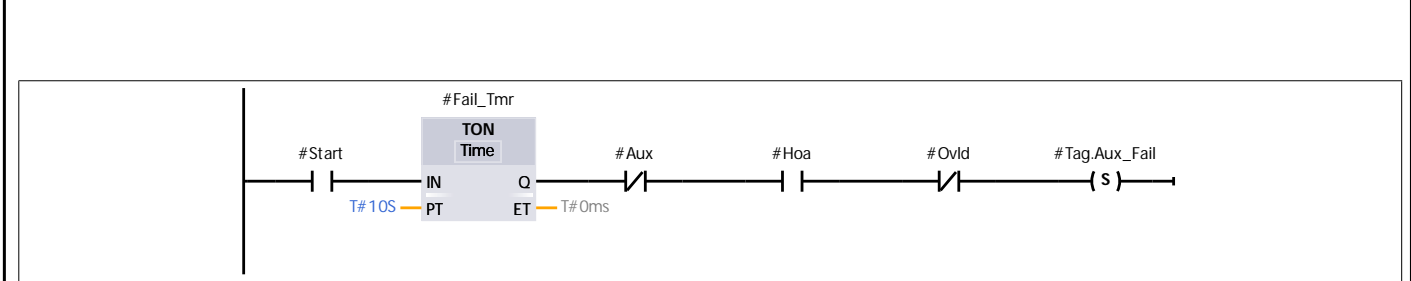
Network 2: Handle manual and sequence starts



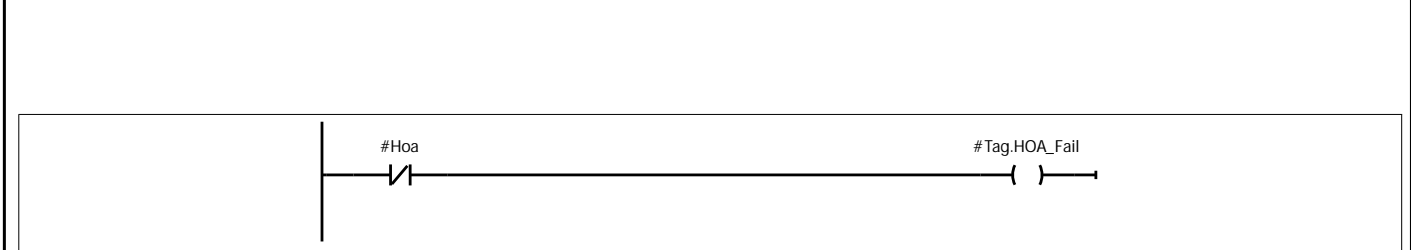
Network 3: Handle manual and sequence stop requests.



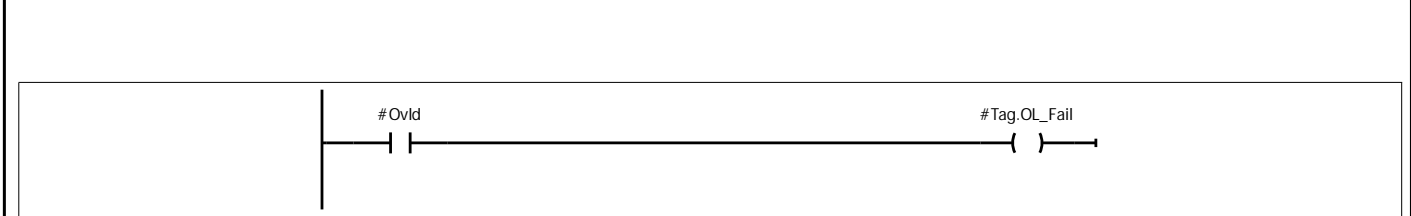
Network 4: If Aux not on in 10 seconds and not overload or HOA, then set Aux fail.



Network 5: Generate HOA and overload failure indicators



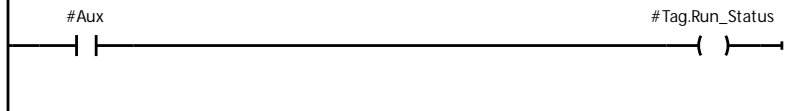
Network 6:



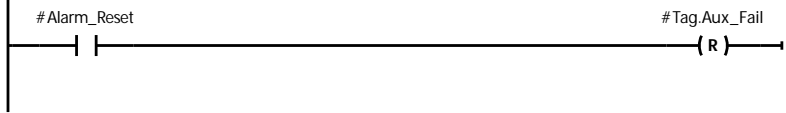
Network 7: Any Failure indication



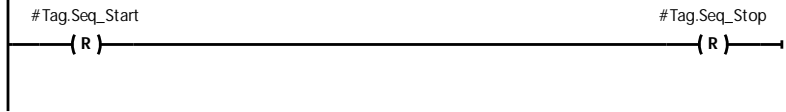
Network 8:



Network 9: Reset alarm indication



Network 10: Reset sequence commands.



Network 11: Sets ENO

