

Motor_Std [FB10]

Motor_Std Properties

General

| | | | | | |
|-----------------|-----------|------------------|--------|-------------|----|
| Name | Motor_Std | Number | 10 | Type | FB |
| Language | LAD | Numbering | Manual | | |

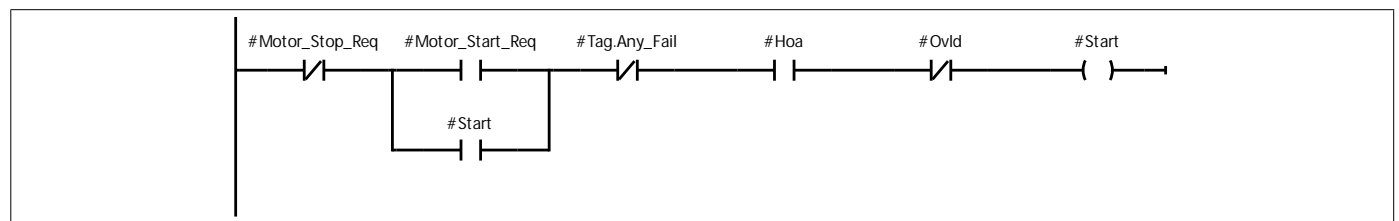
Information

| | | | | | |
|---------------|--|----------------|-----|------------------------|--|
| Title | | Author | | Comment | Example 21.1 Motor Control Copyright (c) 2022 Dogwood Valley Press, LLC |
| Family | | Version | 0.1 | User-defined ID | |

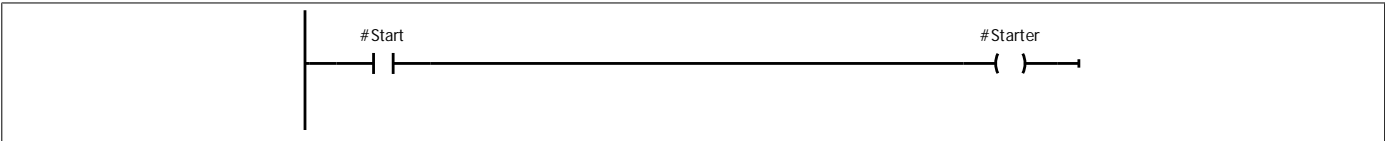
| Name | Data type | Default value |
|-----------------|------------------|---------------|
| ▼ Input | | |
| Aux | Bool | false |
| Hoa | Bool | false |
| Ovld | Bool | false |
| Alarm_Reset | Bool | false |
| Man_Mode | Bool | false |
| Man_Start | Bool | false |
| Man_Stop | Bool | false |
| ▼ Output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

Network 1:

Main control that drives motor starter contact

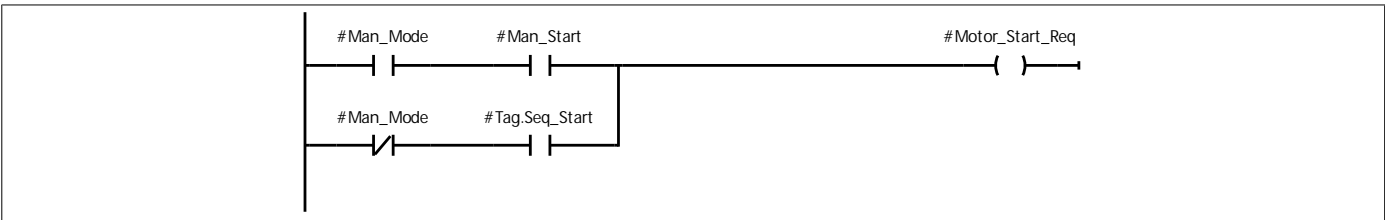


Network 2:



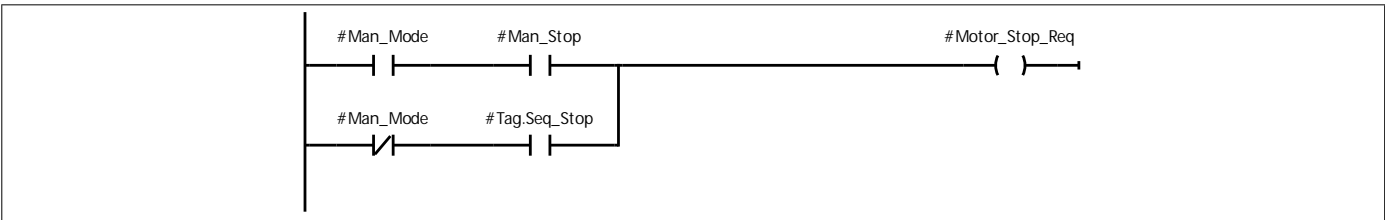
Network 3:

Handle manual and sequence starts



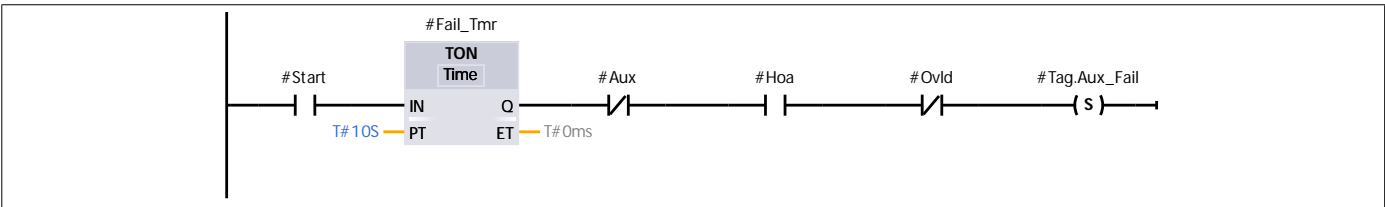
Network 4:

Handle manual and sequence stop requests.



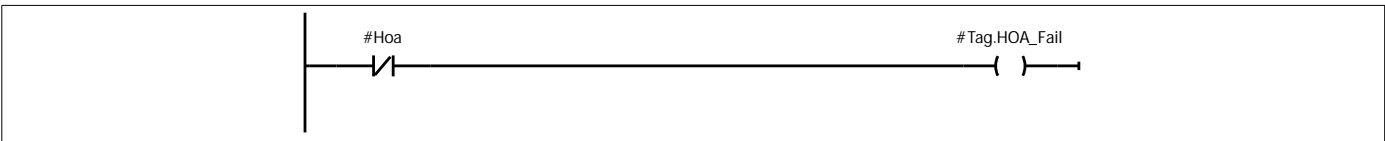
Network 5:

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

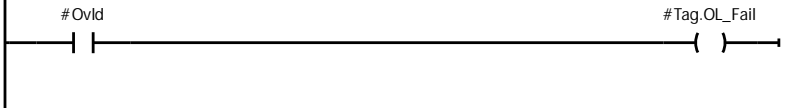


Network 6:

Generate HOA and overload failure indicators

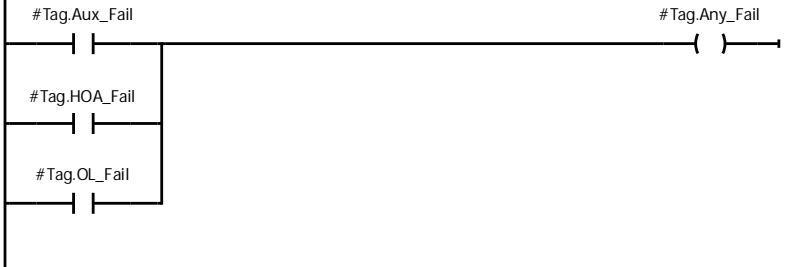


Network 7:

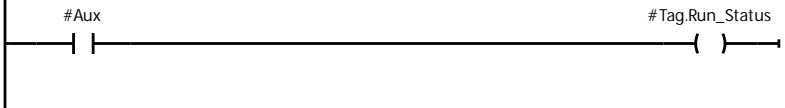


Network 8:

Any Failure indication

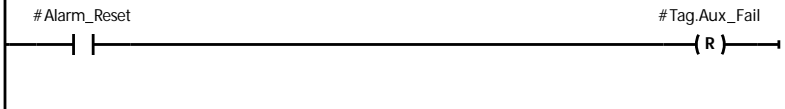


Network 9:



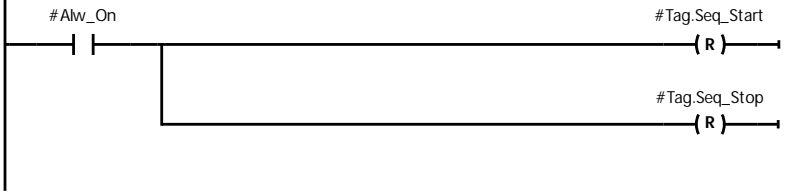
Network 10:

Reset alarm indication

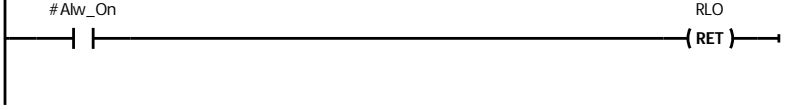


Network 11:

Reset sequence commands.



Network 12:



| | | |
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| Totally Integrated Automation Portal | | |
|--------------------------------------|--|--|

Main [OB1]

Main Properties

General

| | | | | | |
|----------|------|-----------|--------|------|----|
| Name | Main | Number | 1 | Type | OB |
| Language | LAD | Numbering | Manual | | |

Information

| | | | | | |
|--------|------------------------------|---------|-----|-----------------|--|
| Title | "Main Program Sweep (Cycle)" | Author | | Comment | Example 21.1 Motor control 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:

