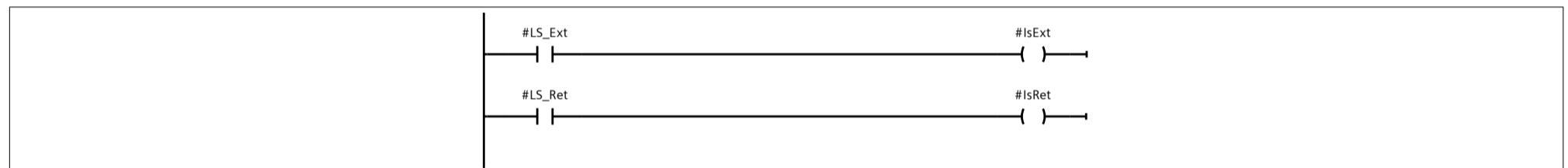


| | | |
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| Totally Integrated Automation Portal | | |
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FB_Cyl_Simple [FB2]

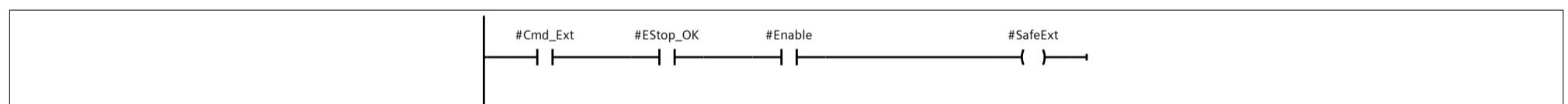
| FB_Cyl_Simple Properties | | | | | |
|--------------------------|---------------|-----------------|---|----------|------------|
| General | | | | | |
| Name | FB_Cyl_Simple | Number | 2 | Type | FB |
| Numbering | Automatic | | | Language | LAD |
| Information | | | | | |
| Title | | Author | | Comment | |
| Version | 0.1 | User-defined ID | | | Family |
| Name | Data type | Default value | | | Retain |
| ▼ Input | | | | | |
| Cmd_Ext | Bool | false | | | Non-retain |
| LS_Ext | Bool | false | | | Non-retain |
| LS_Ret | Bool | false | | | Non-retain |
| EStop_OK | Bool | false | | | Non-retain |
| Enable | Bool | false | | | Non-retain |
| tMove | Time | T#3s | | | Non-retain |
| Reset | Bool | false | | | Non-retain |
| ▼ Output | | | | | |
| Out_Ext | Bool | false | | | Non-retain |
| IsExt | Bool | false | | | Non-retain |
| IsRet | Bool | false | | | Non-retain |
| Fault | Bool | false | | | Non-retain |
| FaultCode | USInt | 0 | | | Non-retain |
| InOut | | | | | |
| ▼ Static | | | | | |
| SafeExt | Bool | false | | | Non-retain |
| Fault_i | Bool | false | | | Non-retain |
| TON_Move | TON_TIME | | | | Non-retain |
| Temp | | | | | |
| Constant | | | | | |

Network 1: States (Sensor Mirroring)



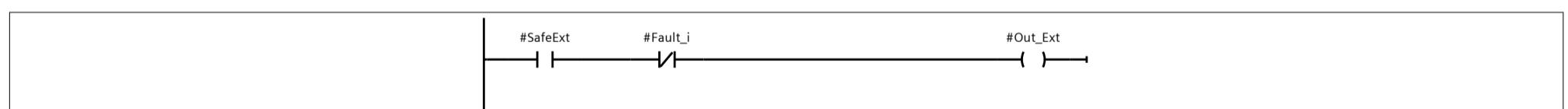
Network 2: Safe Commands (Interlocks & Safety Logic)

Mutual exclusion enforced for Extend/Retract. Commands are only permitted if the Emergency Stop is released and the Global Enable Key is active

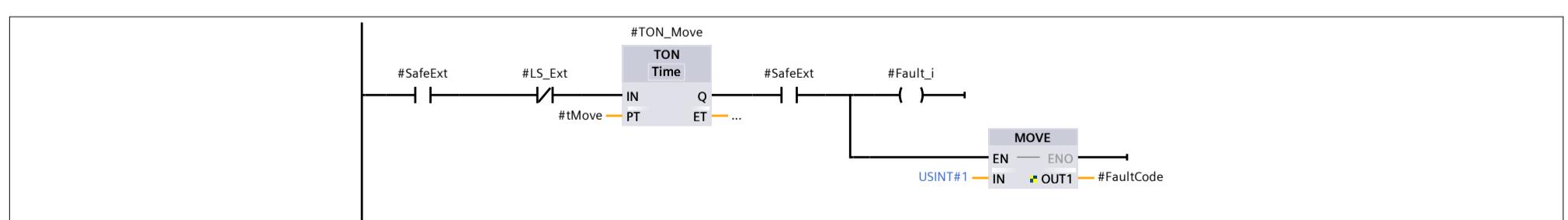


Network 3: Valve Outputs (Fault-Inhibited)

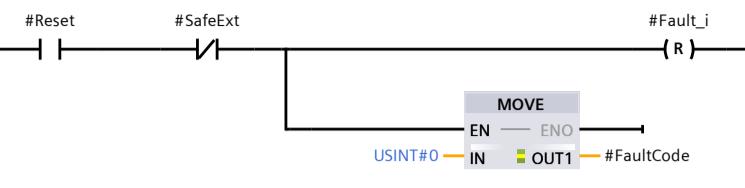
In the event of a Fault, all power to the valves is isolated/cut off



Network 4: Movement Watchdog (TON)



Network 5: Fault reset



Network 6: Mapping Auxiliaries to Outputs

