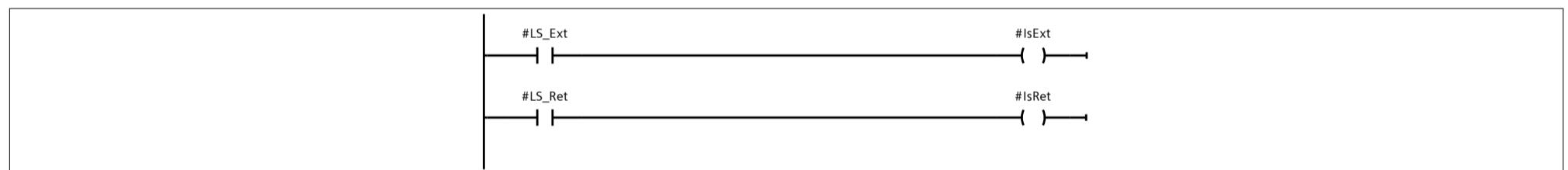


Totally Integrated Automation Portal		
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FB_Cyl [FB1]

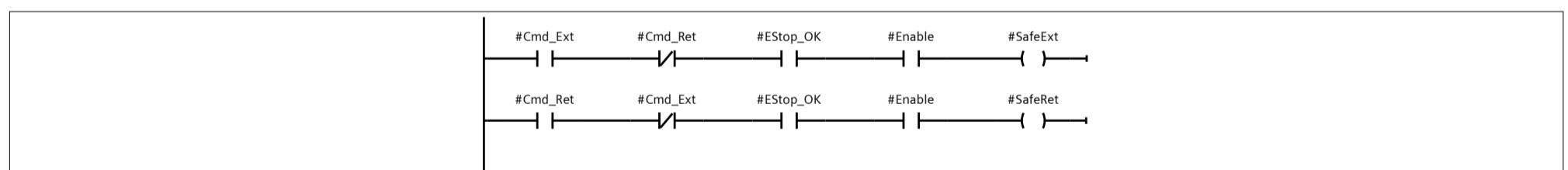
FB_Cyl Properties						
General						
Name	FB_Cyl	Number	1	Type	FB	Language LAD
Numbering	Automatic					
Information						
Title		Author		Comment		Family
Version	0.1	User-defined ID				
Name	Data type	Default value		Retain		
▼ Input						
Cmd_Ext	Bool	false		Non-retain		
Cmd_Ret	Bool	false		Non-retain		
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		
Out_Ret	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		
SafeRet	Bool	false		Non-retain		
Fault_i	Bool	false		Non-retain		
TON_Move	TON_TIME			Non-retain		
Temp						
Constant						

Network 1: States (Sensor Mirroring)



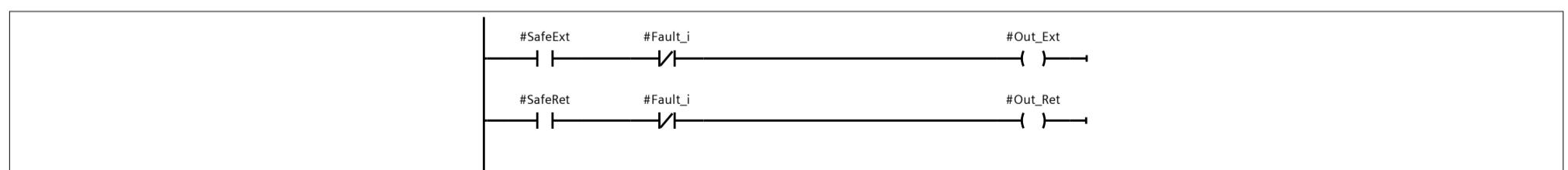
Network 2: Safe Commands (Interlocks & Safety Logic)

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

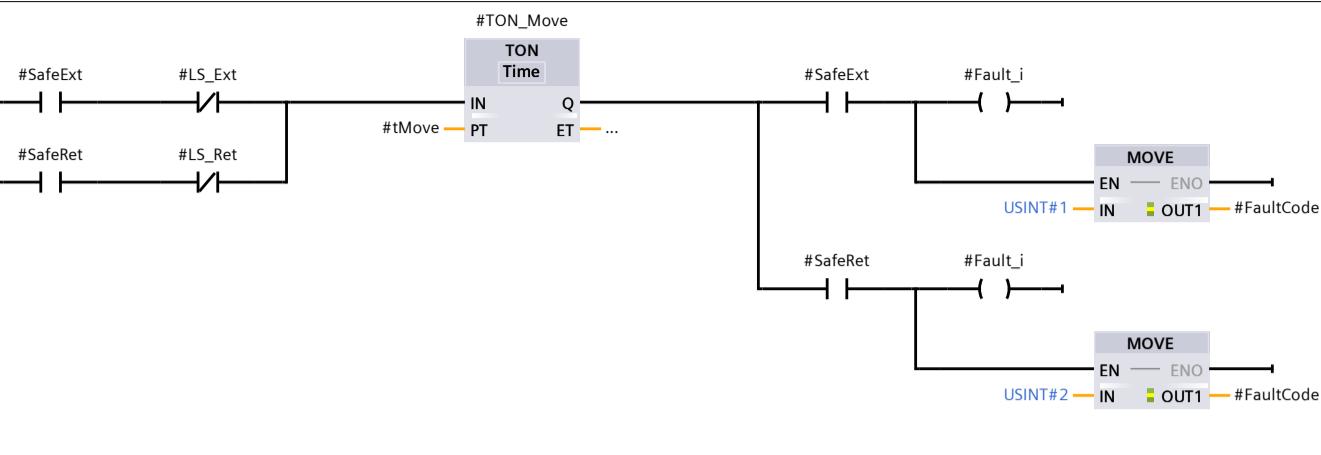


Network 3: Valve Outputs (Fault-Inhibited)

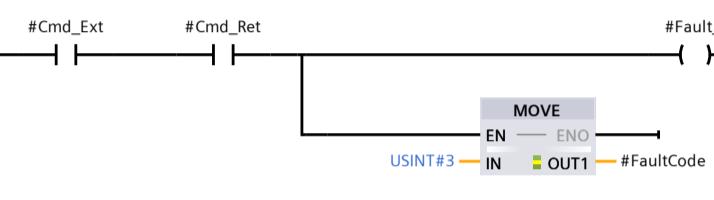
In the event of a Fault, all power to the valves is isolated/cut off.



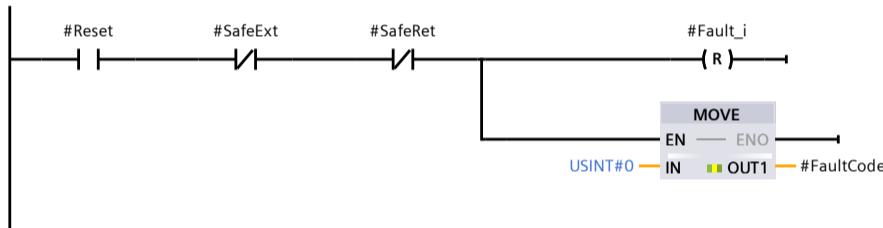
Network 4: Movement Watchdog (TON)



Network 5: Invalid command



Network 6: Fault reset



Network 7: Mapping Auxiliaries to Outputs

