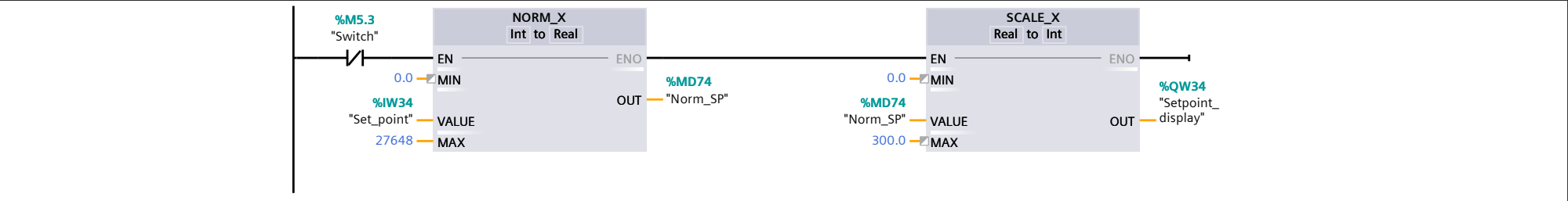


Main_1 [OB123]

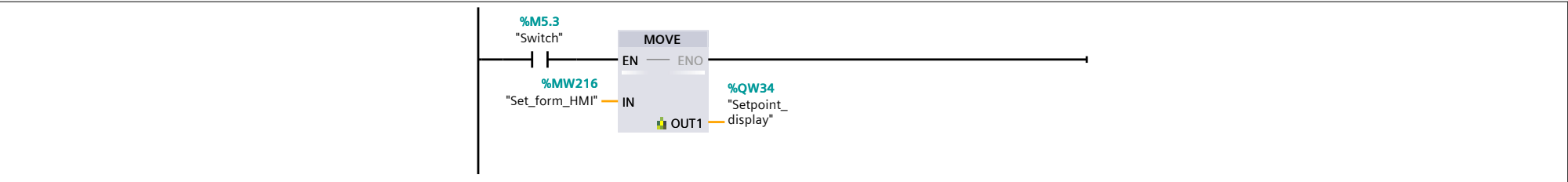
| Main_1 Properties | | | | | | | |
|-------------------|------------------------------|-----------------|-----|---------|----|----------|-----|
| General | | | | | | | |
| Name | Main_1 | Number | 123 | Type | OB | Language | LAD |
| Numbering | Automatic | | | | | | |
| Information | | | | | | | |
| Title | "Main Program Sweep (Cycle)" | Author | | Comment | | Family | |
| Version | 0.1 | User-defined ID | | | | | |

| Name | Data type | Default value | Comment |
|--------------|-----------|---------------|---------------------------------------|
| ▼ Input | | | |
| Initial_Call | Bool | | Initial call of this OB |
| Remanence | Bool | | =True, if remanent data are available |
| Temp | | | |
| Constant | | | |

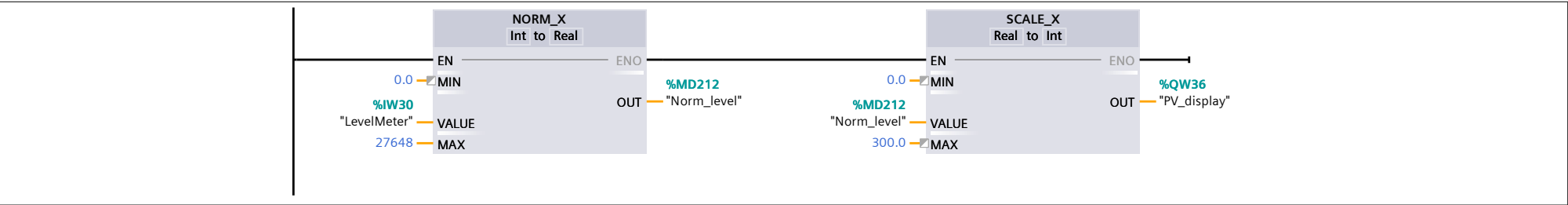
Network 1: Set point scale & display



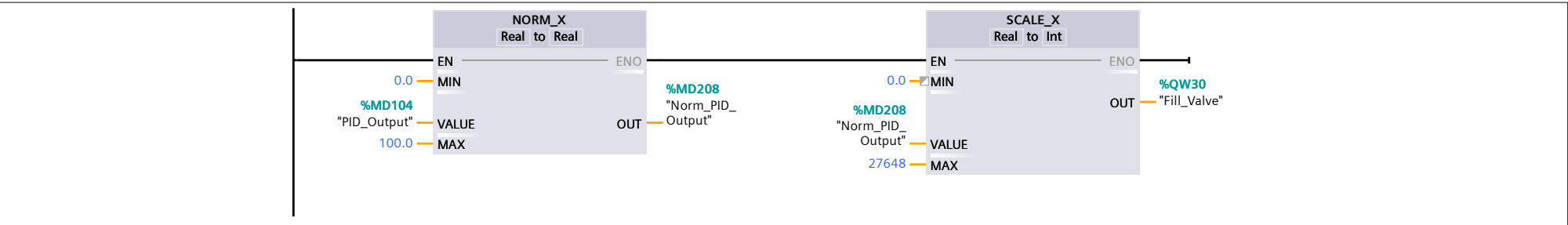
Network 2: Show HMI Setpoint on factory IO



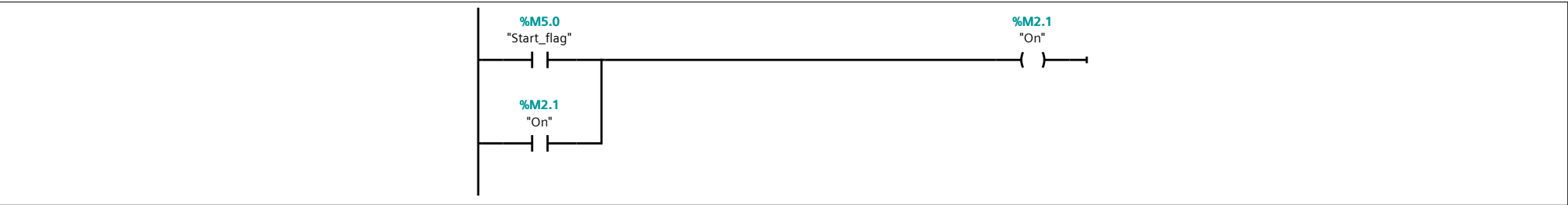
Network 3: Process value scale & display



Network 4: Fill Valve output

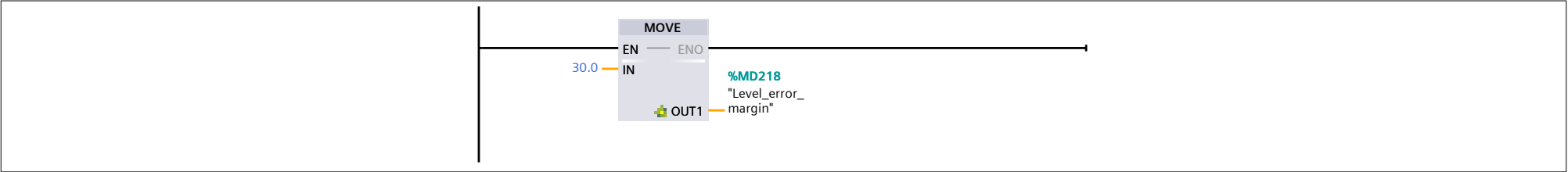


Network 5: PID Continuous

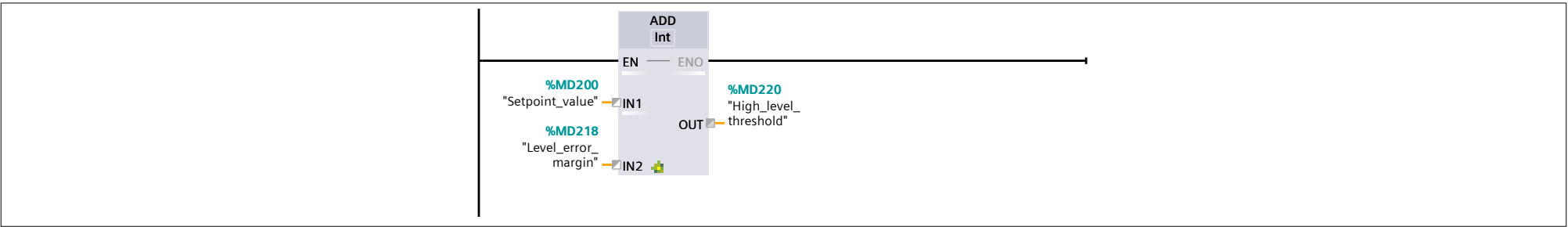


Network 6: Start Flag

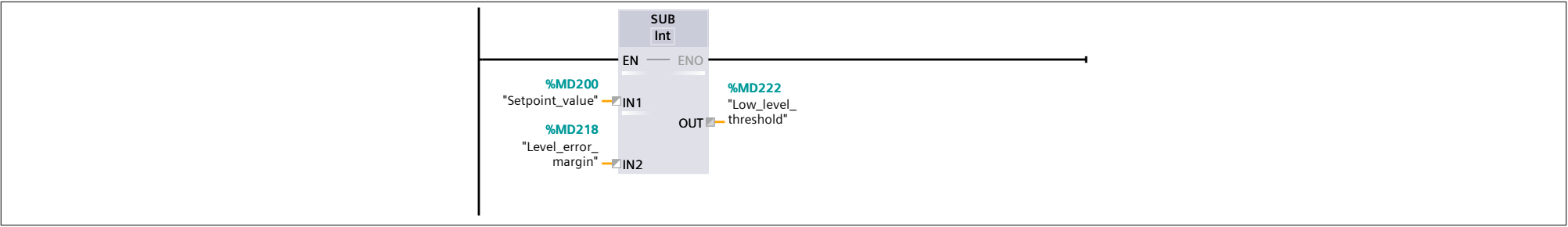
| | | |
|--|--|--|
| Totally Integrated Automation Portal | | |
| <div><div></div><div><div><div><div><div>%Q10.0 "Start_Light"</div></div><div><div>%I10.1 "Reset"</div></div><div><div>%M4.2 "Reset_from_HMI"</div></div><div><div>%M5.0 "Start_flag"</div></div></div><div><div>%I10.2 "Stop"</div></div><div><div>%M4.1 "Stop_from_HMI"</div></div><div><div>%M5.0 "Start_flag"</div></div></div><div><div>%Q10.2 "Stop_Light"</div></div></div></div> | | |
| Network 7: Stop Light | | |
| <div><div></div><div><div><div><div>%Q10.0 "Start_Light"</div></div><div><div>%Q10.1 "Reset_Light"</div></div><div><div>%M5.0 "Start_flag"</div></div><div><div>%Q10.2 "Stop_Light"</div></div></div></div></div> | | |
| Network 8: Start Light | | |
| <div><div></div><div><div><div><div>%I10.0 "Start"</div></div><div><div>%Q10.1 "Reset_Light"</div></div><div><div>%I10.2 "Stop"</div></div><div><div>%M4.1 "Stop_from_HMI"</div></div><div><div>%Q10.0 "Start_Light"</div></div></div><div><div>%Q10.0 "Start_Light"</div></div><div><div>%M5.0 "Start_flag"</div></div><div><div>%M4.0 "Start_from_HMI"</div></div></div></div> | | |
| Network 9: Reset Light | | |
| <div><div></div><div><div><div><div>%I10.1 "Reset"</div></div><div><div>%M4.2 "Reset_from_HMI"</div></div><div><div>%Q10.1 "Reset_Light"</div></div></div></div></div> | | |
| Network 10: Fill Valve Stop | | |
| <div><div></div><div><div><div><div>%Q10.1 "Reset_Light"</div></div><div><div>%Q10.2 "Stop_Light"</div></div></div><div><div>MOVE</div><div>EN</div><div>ENO</div><div>IN0</div><div>OUT1</div><div>%QW30 "Fill_Valve"</div></div></div></div> | | |
| Network 11: Convert Setpoint to Real for PID | | |
| <div><div></div><div><div><div><div>CONV Int to Real</div><div>EN</div><div>ENO</div><div>IN%QW34 "Setpoint_display"</div><div>OUT%MD200 "Setpoint_value"</div></div></div></div></div> | | |
| Network 12: Convert PV to Real for PID | | |
| <div><div></div><div><div><div><div>CONV Int to Real</div><div>EN</div><div>ENO</div><div>IN%QW36 "PV_display"</div><div>OUT%MD204 "Process_value"</div></div></div></div></div> | | |
| Network 13: Store error margin value | | |
| | | |



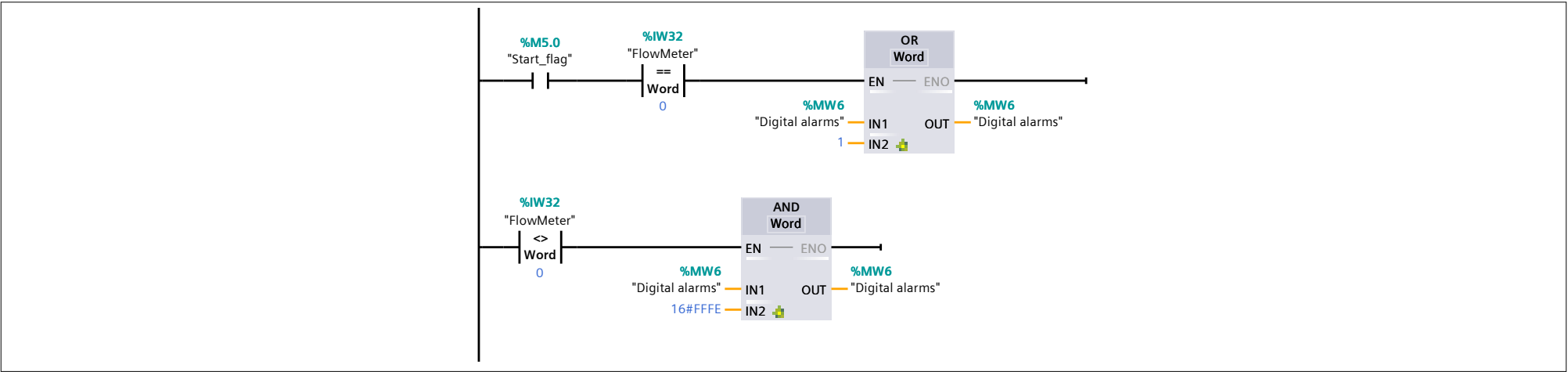
Network 14: High Level Alarm Network



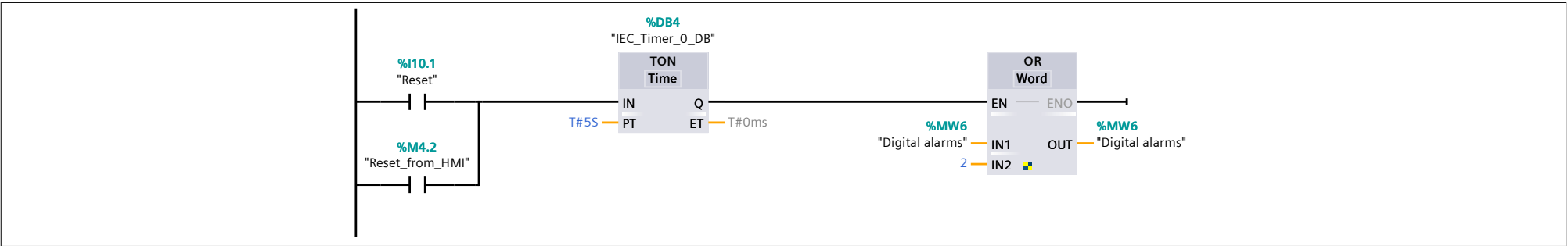
Network 15: Low Level Alarm Network



Network 16: Discharge Valve error



Network 17: Reset Abuse error



Network 18: Reset Abuse error reset

