

Pluto 0 Logic

1

Start

2

HV0001
I0.40HVInterlockHigh
M0.15*I0.40=HV0001**VHX-UTT-GCC-00 Relay 2 (<0.001 Torr NO)*

3

SM_1Hz
SM0.3HVInterlockHigh
M0.15

Upcount

HVInterlockHighFilter
M0.17

CU

Q

Reset

10

Value

*SM0.3=SM_1Hz**1Hz pulses, On during one cycle*

4

HVInterlockHighFilter
M0.17HVStatBlock
M0.26HVStatLatchReset
M0.23

StartT

HVStat
Q0.1

In1

Q

Start

HVInterlockHighLatchStatus
M0.21

IndReset

Test

*Q0.1=HVStat**HEX-Can Vacuum Status PRT-UTT-PLC-03/15*

5

HVInterlockHighFilter
M0.17HVStatBlock
M0.26HVStat
Q0.1HVInterlockHighLatchNeedsReset
M0.84*Q0.1=HVStat**HEX-Can Vacuum Status PRT-UTT-PLC-03/15*

6

CV0001
I0.36CVInterlockHigh
M0.16*I0.36=CV0001**VCR-UTT-GCC-00 Relay 2 (<0.001 Torr NO)*

Pluto Manager - Program listing Pluto 0 Logic

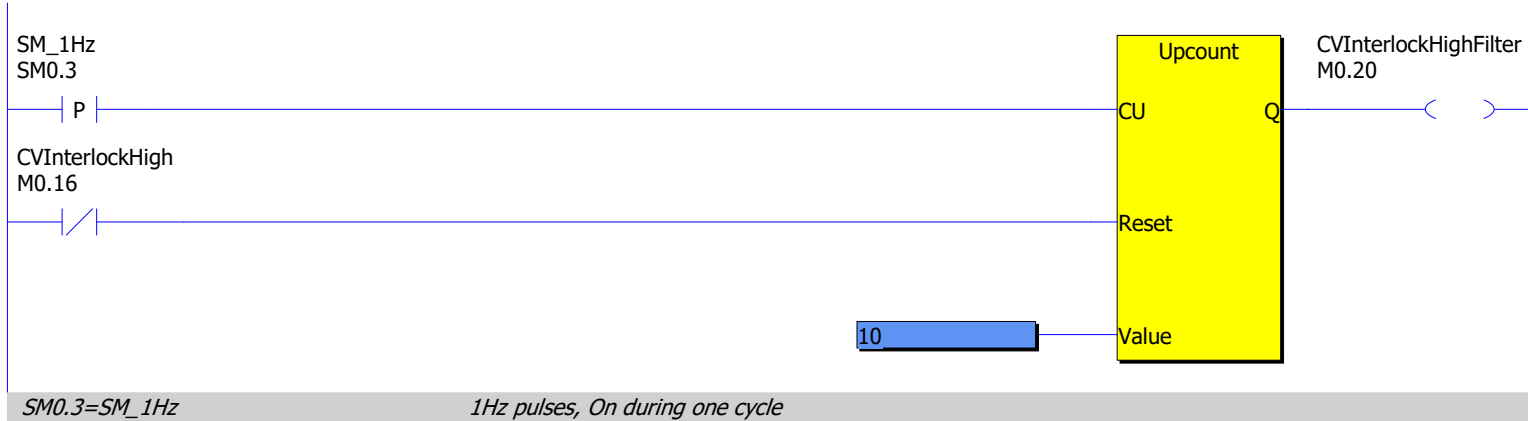
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Name=<FILENAME>

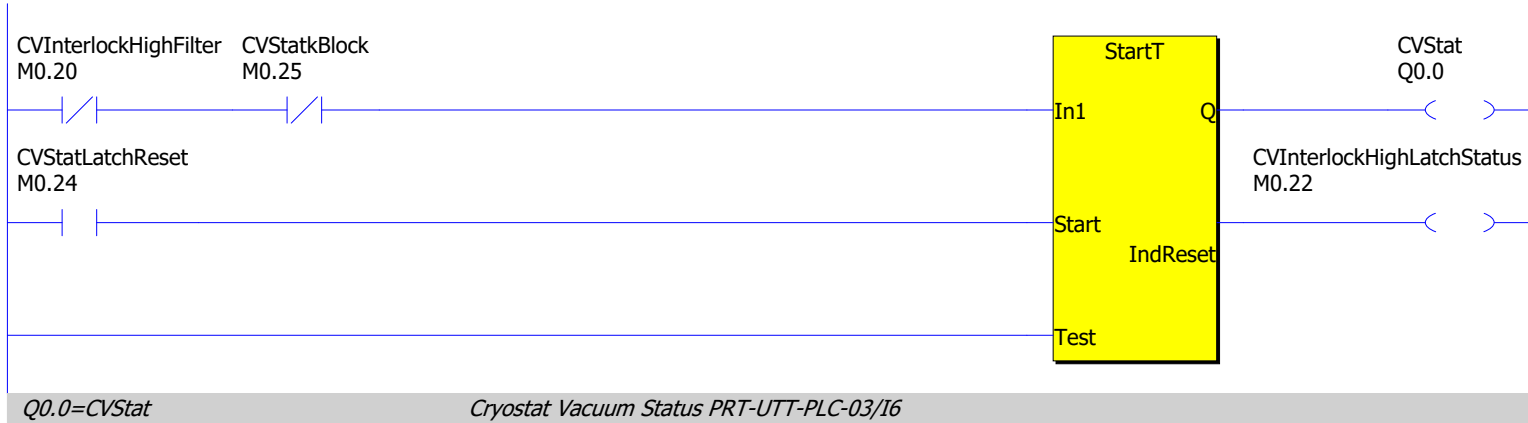
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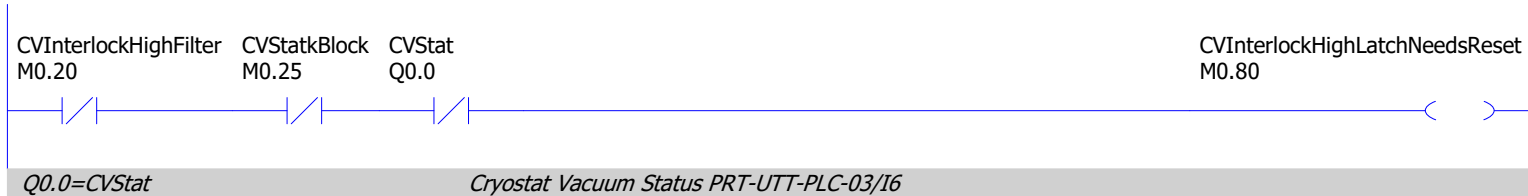
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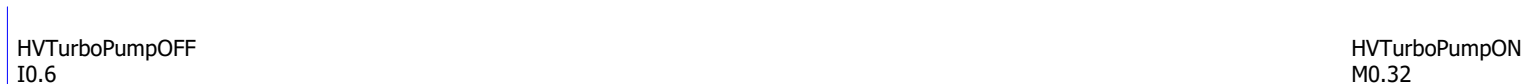
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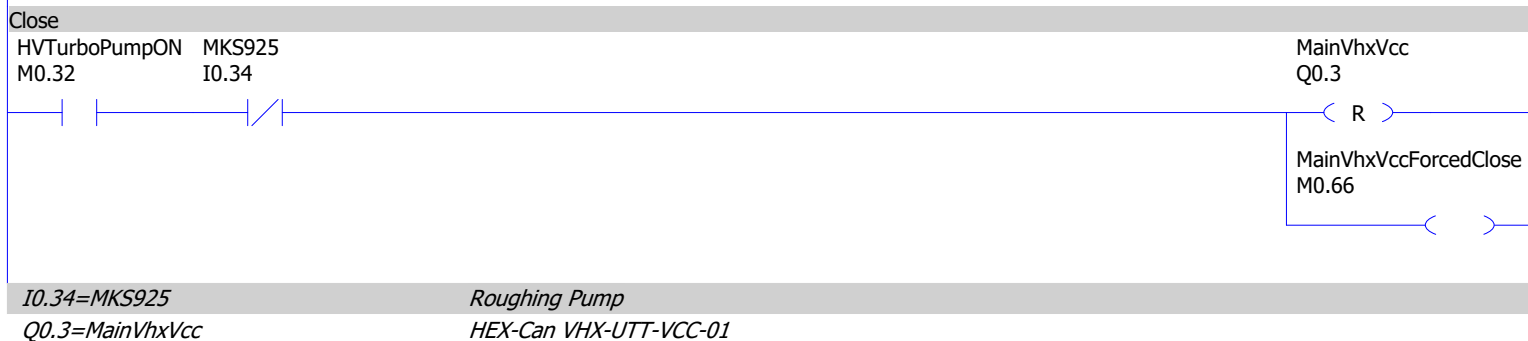
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10



11

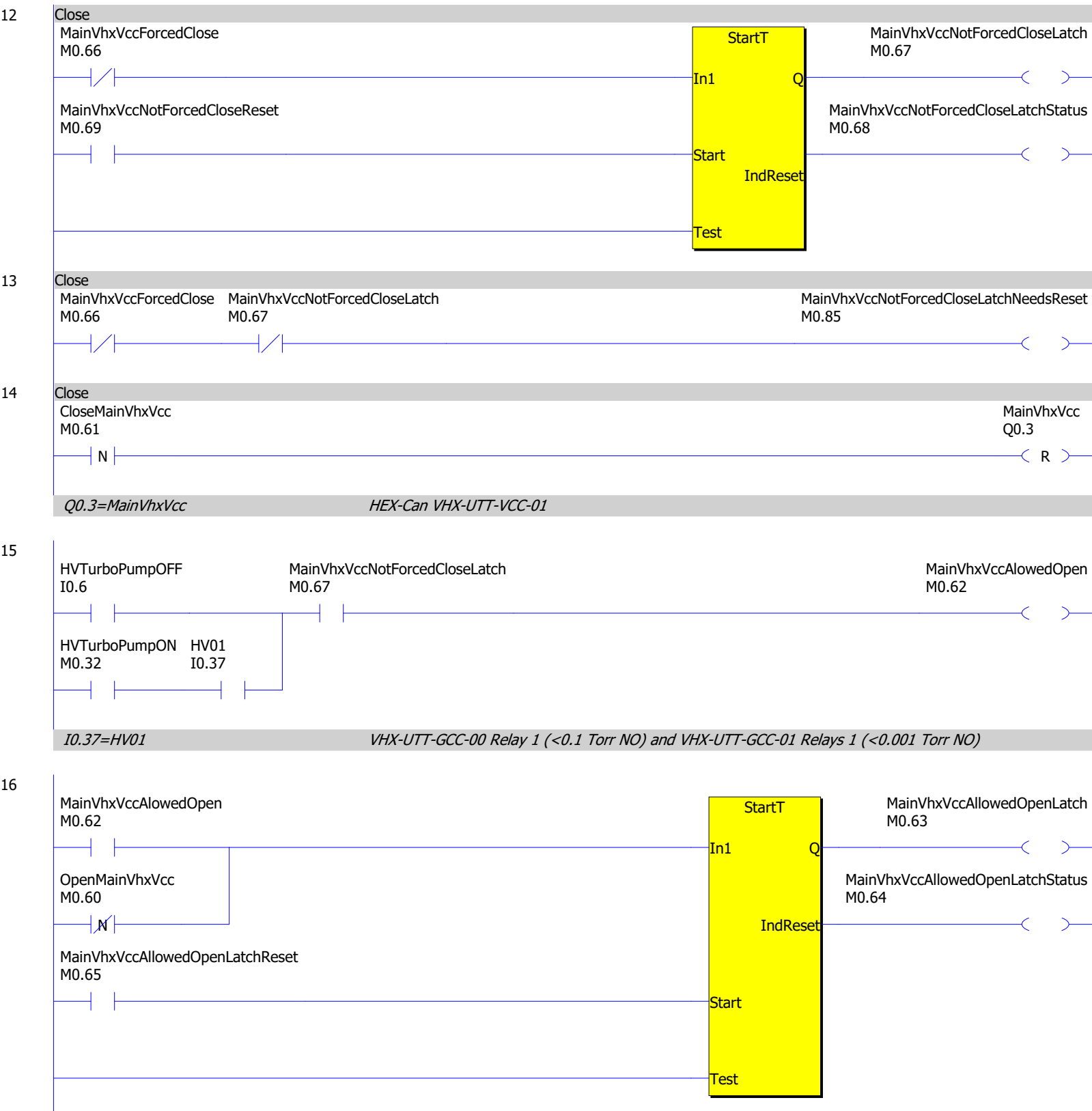


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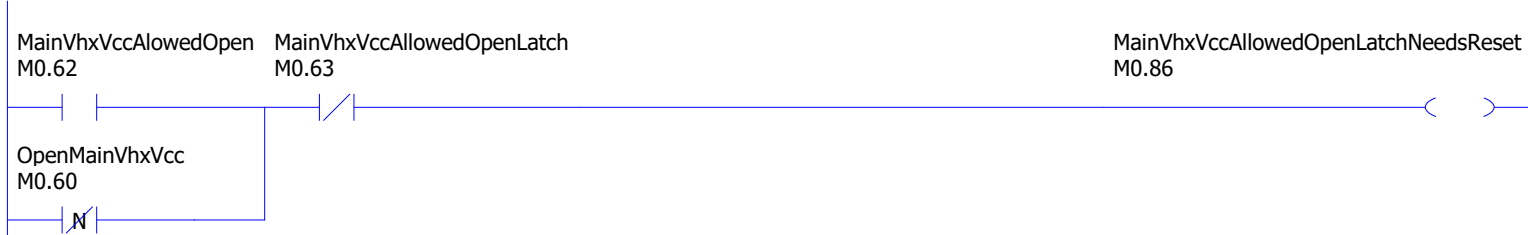
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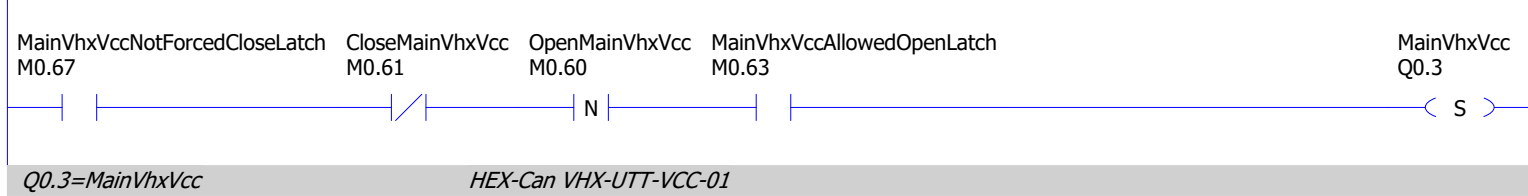
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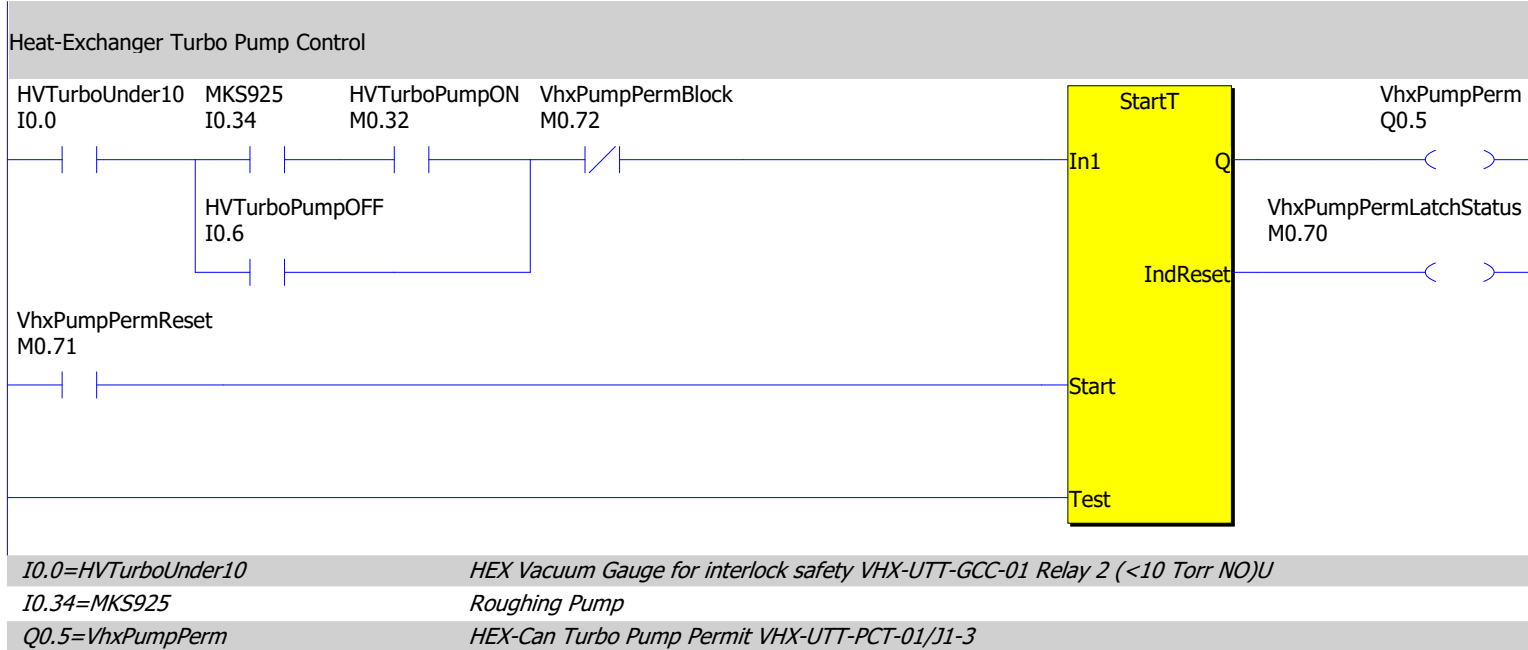
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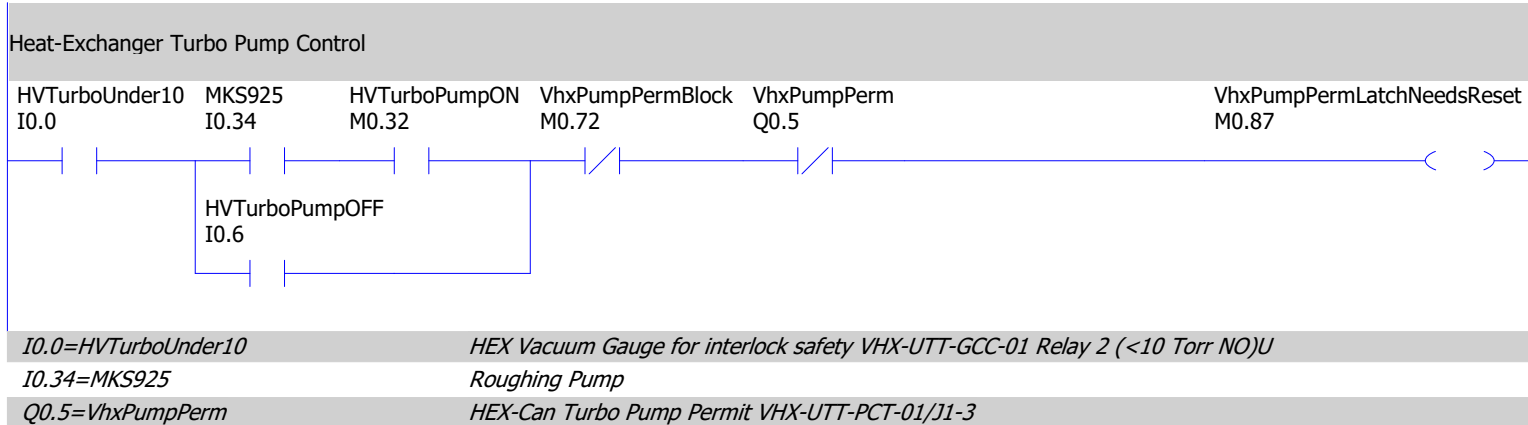
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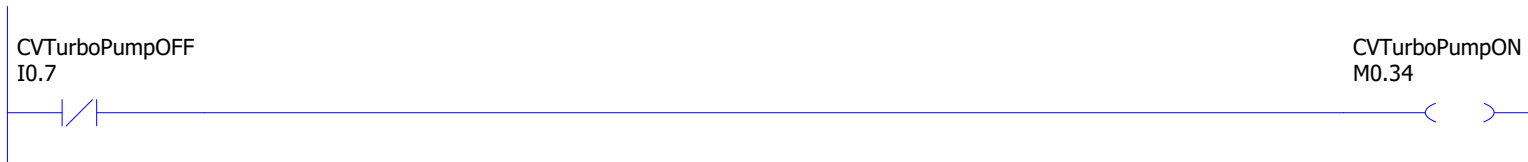
19



20



21

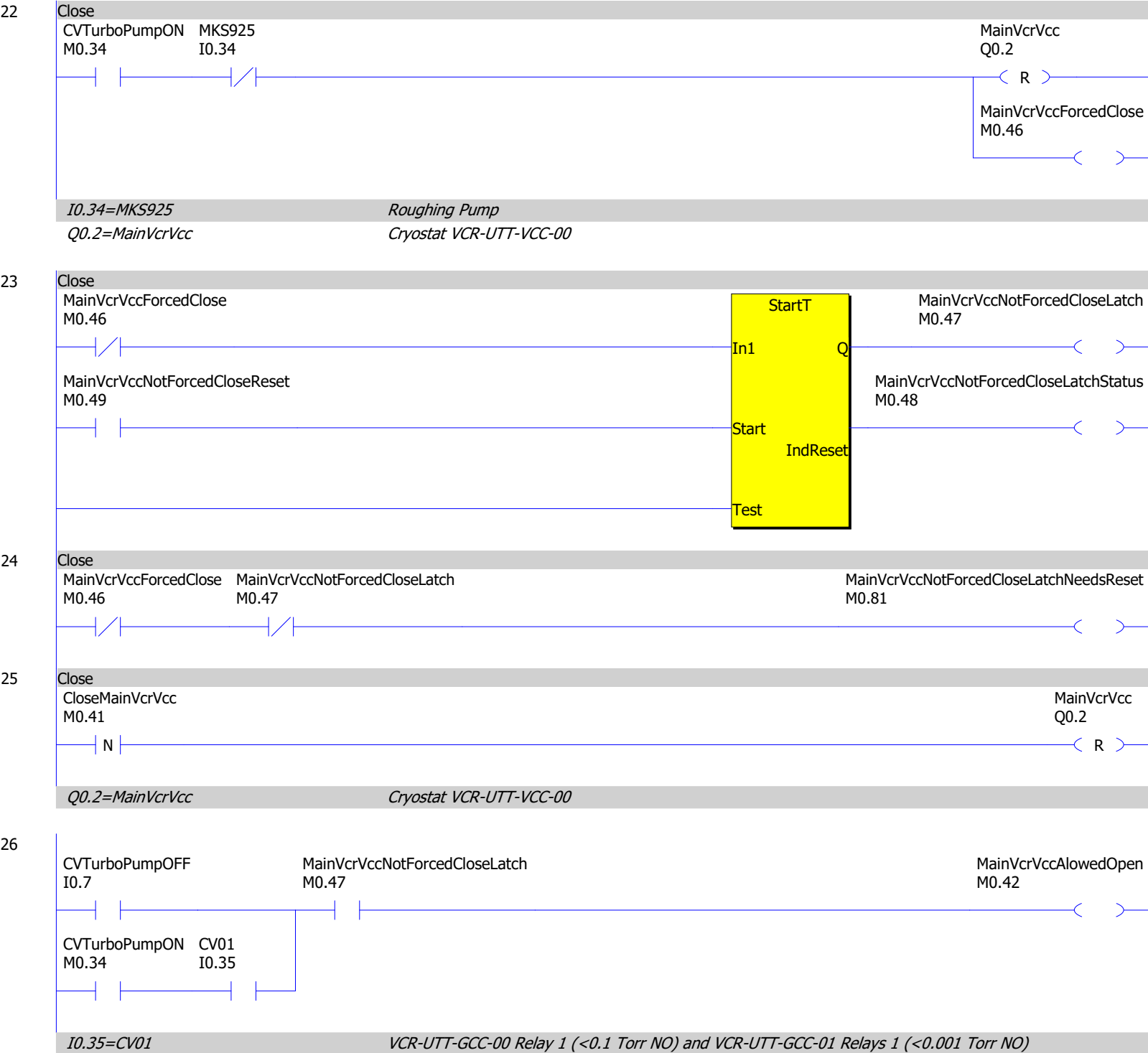


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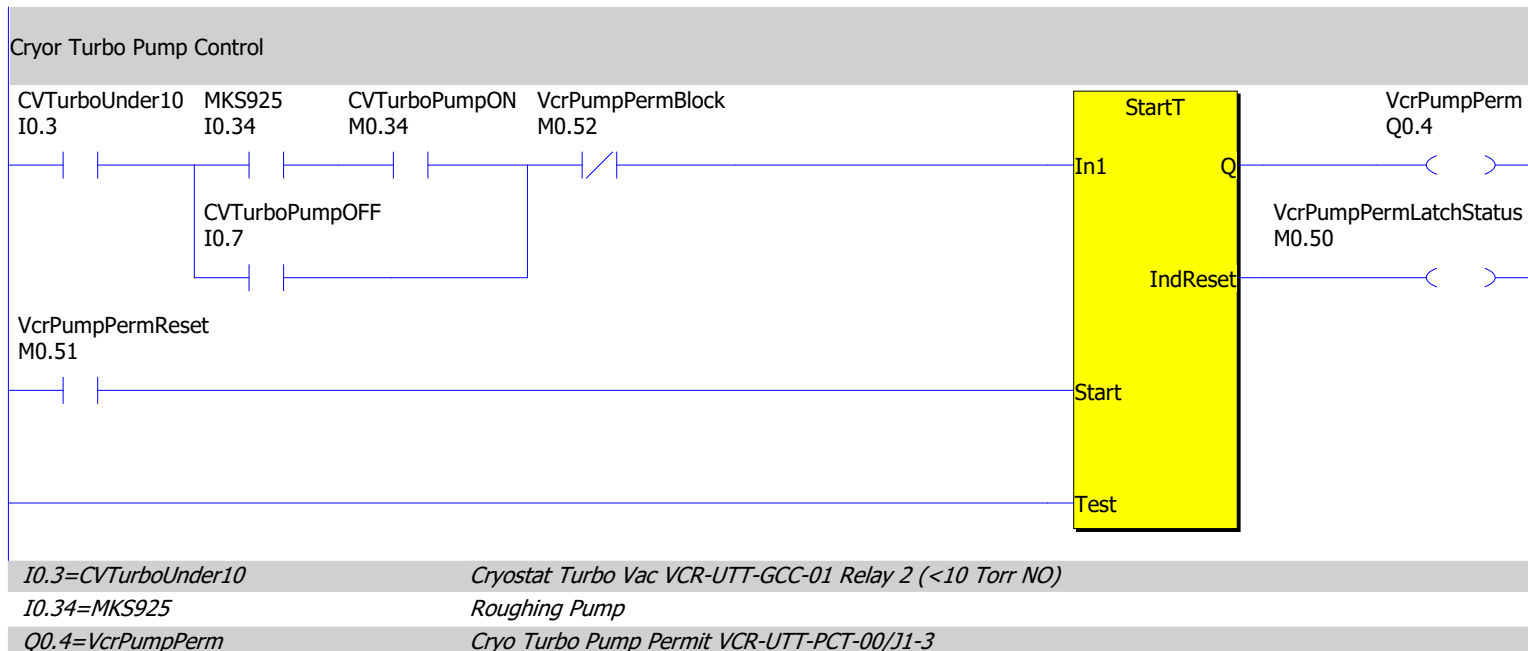
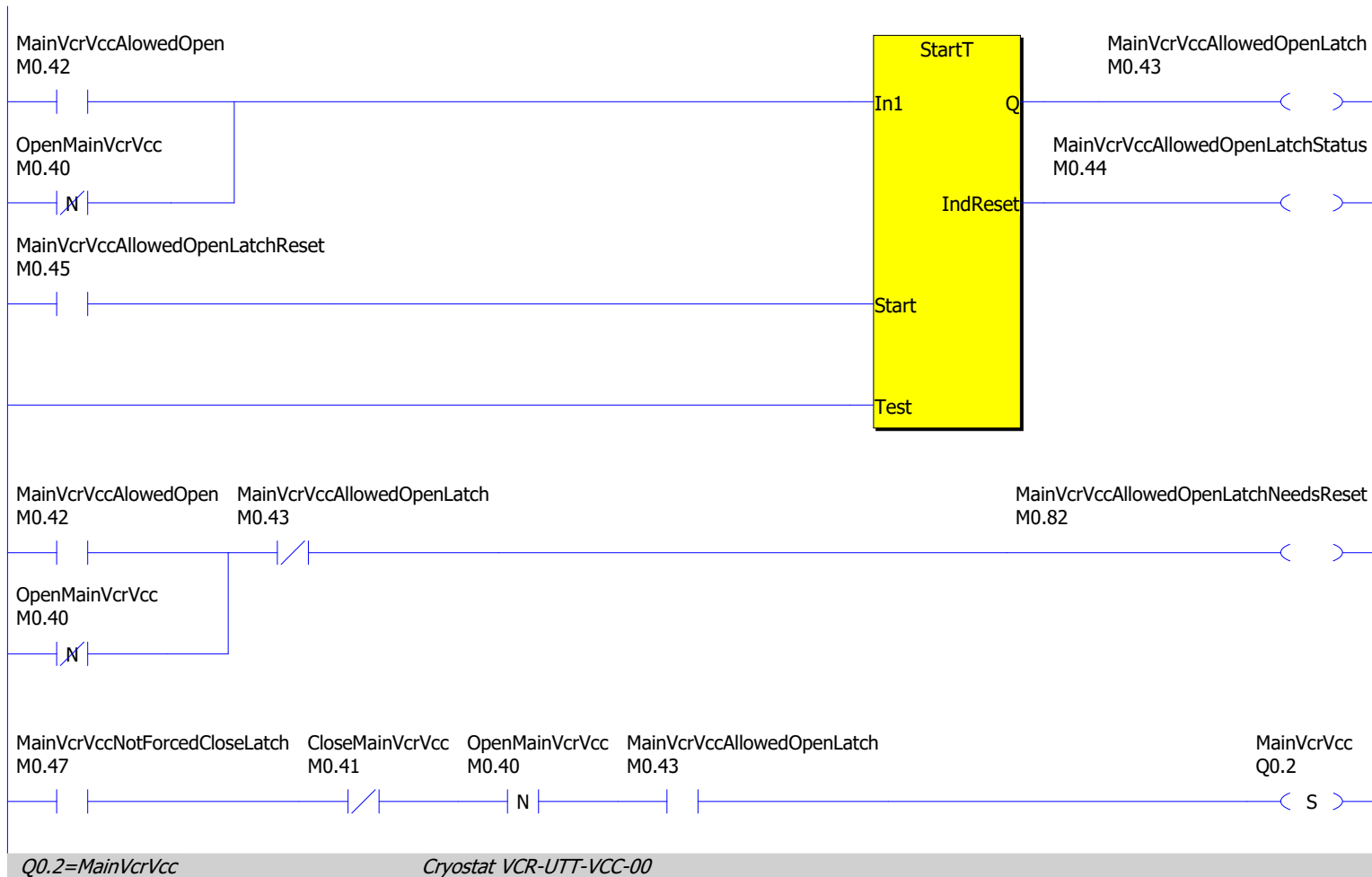


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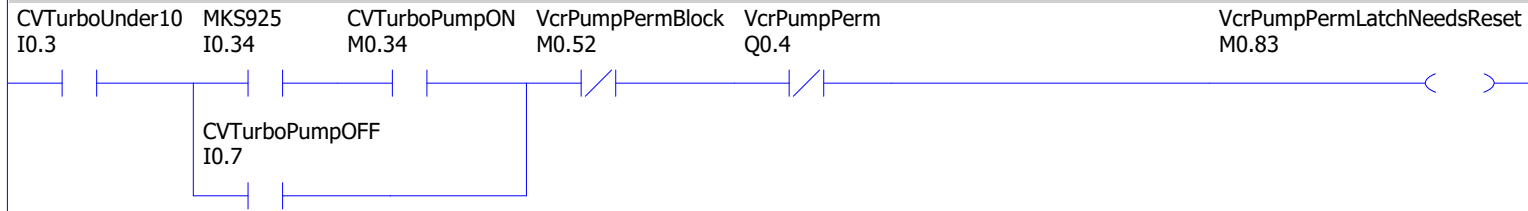
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31 Cryor Turbo Pump Control



I0.3=CVTurboUnder10

Cryostat Turbo Vac VCR-UTT-GCC-01 Relay 2 (<10 Torr NO)

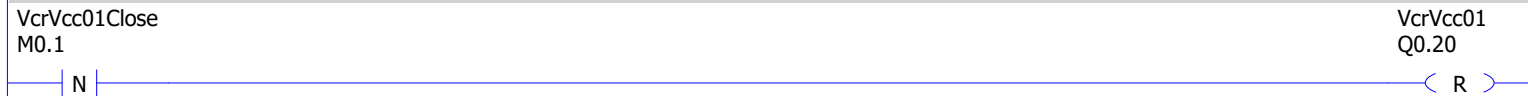
I0.34=MKS925

Roughing Pump

Q0.4=VcrPumpPerm

Cryo Turbo Pump Permit VCR-UTT-PCT-00/J1-3

32 VCR-UTT-VCC-(00-04) Close and open commands



Q0.20=VcrVcc01

VCR-UTT-VCC-01



Q0.20=VcrVcc01

VCR-UTT-VCC-01



Q0.21=VcrVcc02

VCR-UTT-VCC-02



Q0.21=VcrVcc02

VCR-UTT-VCC-02



Q0.22=VcrVcc03

VCR-UTT-VCC-03

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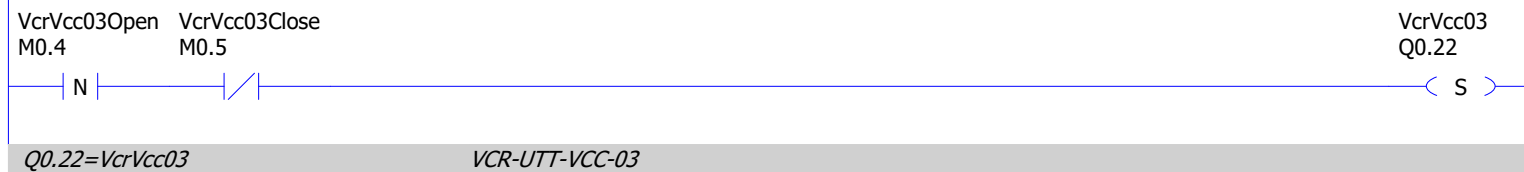
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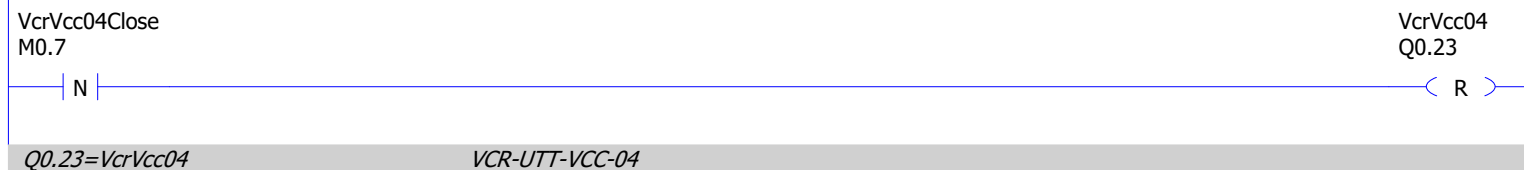
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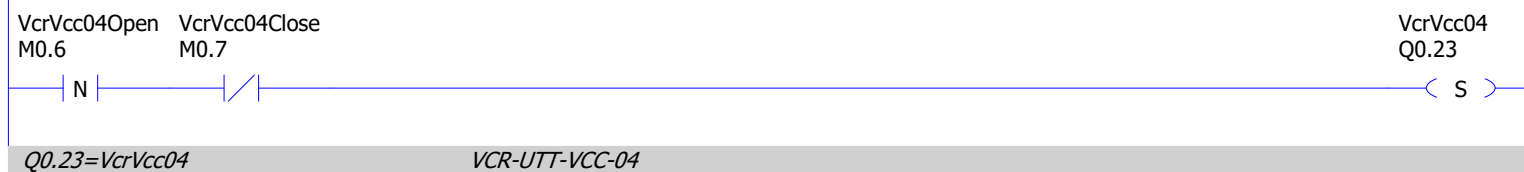
37



38



39



40

