

TECHNICAL DOCUMENTATION

Example 6.3

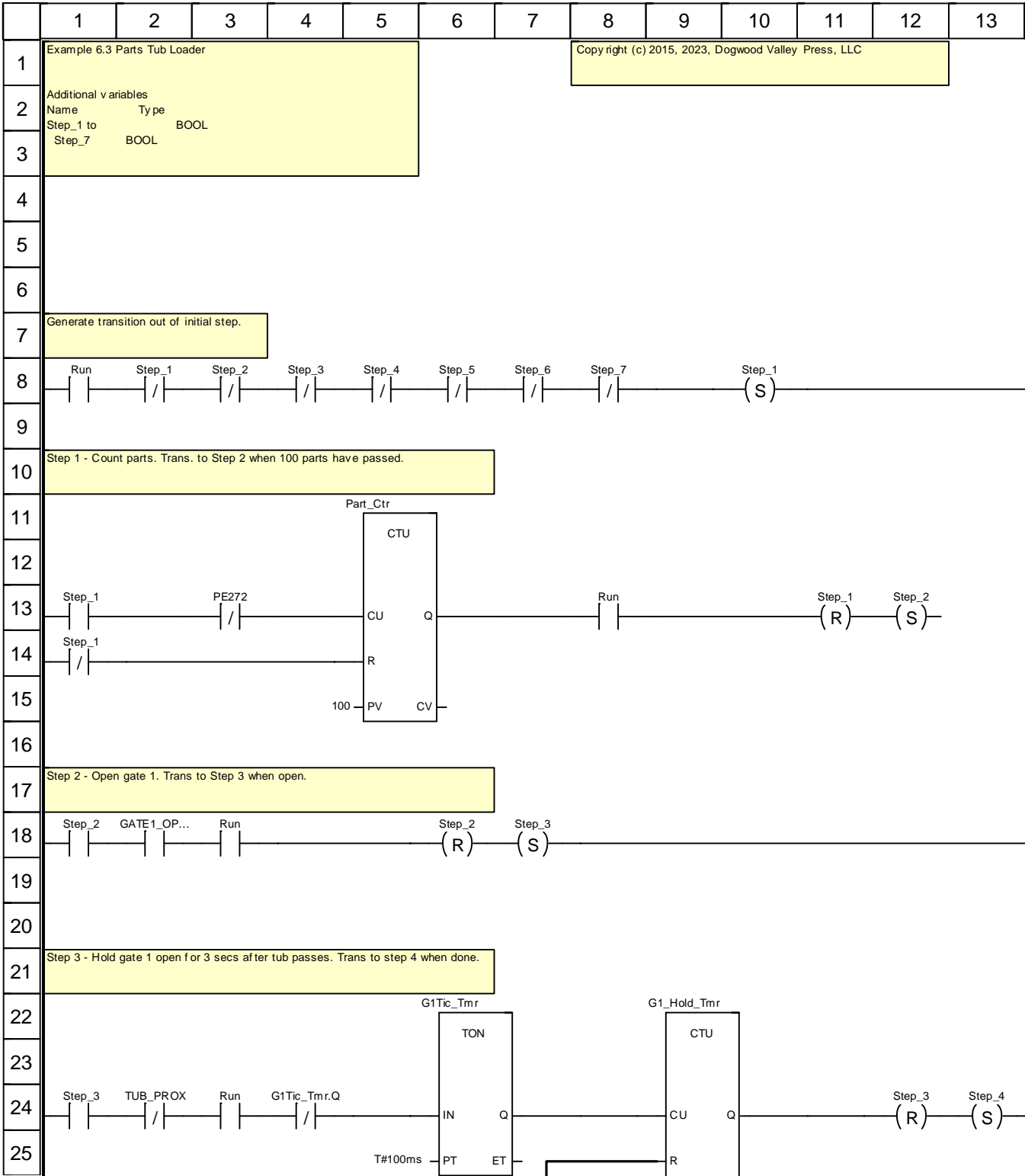
| | |
|------------------------|-------------------------------------|
| Project | Example 6.3 |
| Designer | |
| Application | example_6_3.stu |
| Software Version | ControlExpert V15.0-SP1 |
| Creation Date | 6/14/2023 4:39:50 PM |
| Last Modification Date | 6/14/2023 4:39:50 PM |
| Target PLC | BMX P34 1000 02.00CPU 340-10 Modbus |

MAST

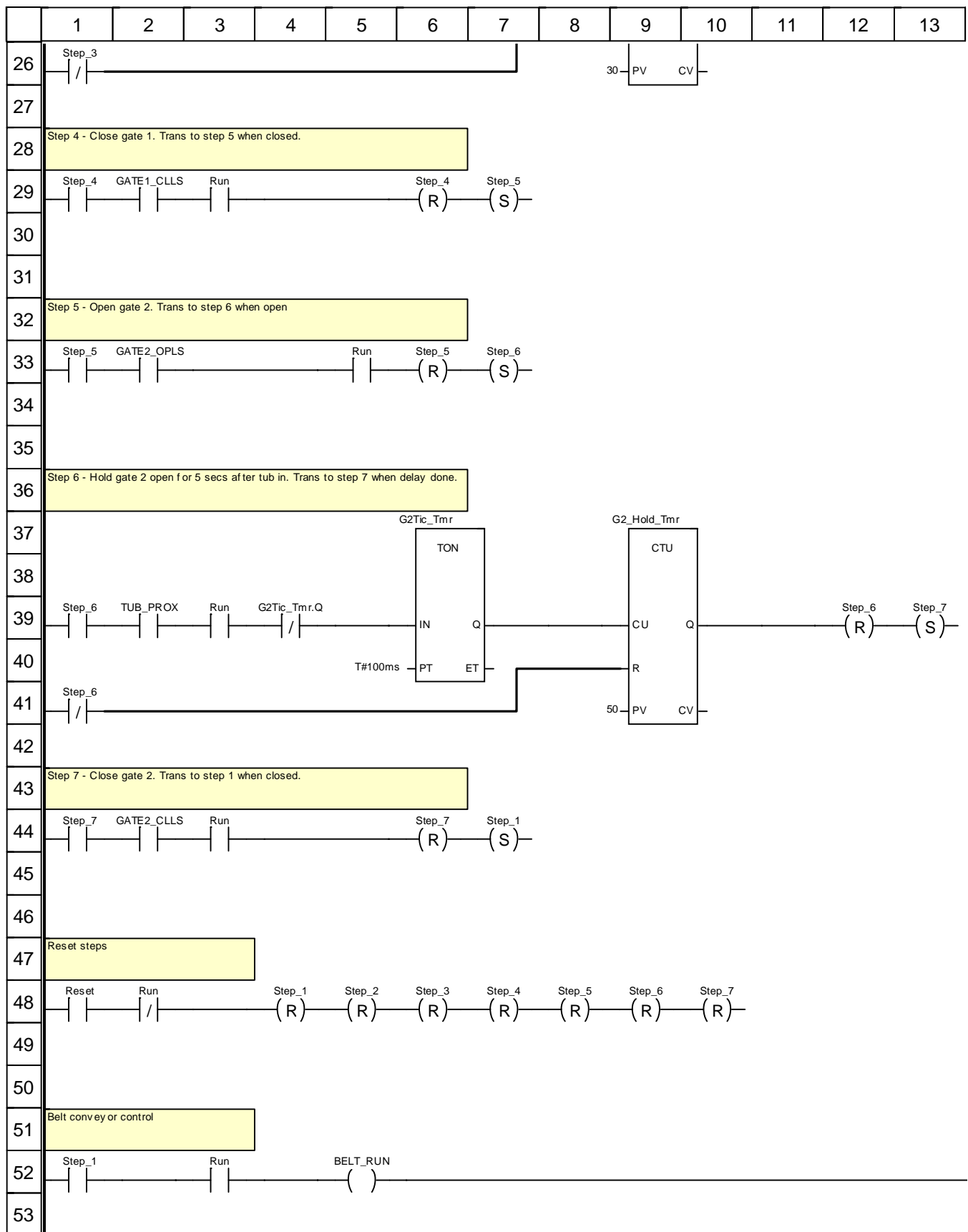
Specific properties

| | |
|-----------------------------|--------|
| Configuration | Cyclic |
| Task period configuration | 0 |
| Watchdog time configuration | 250 |

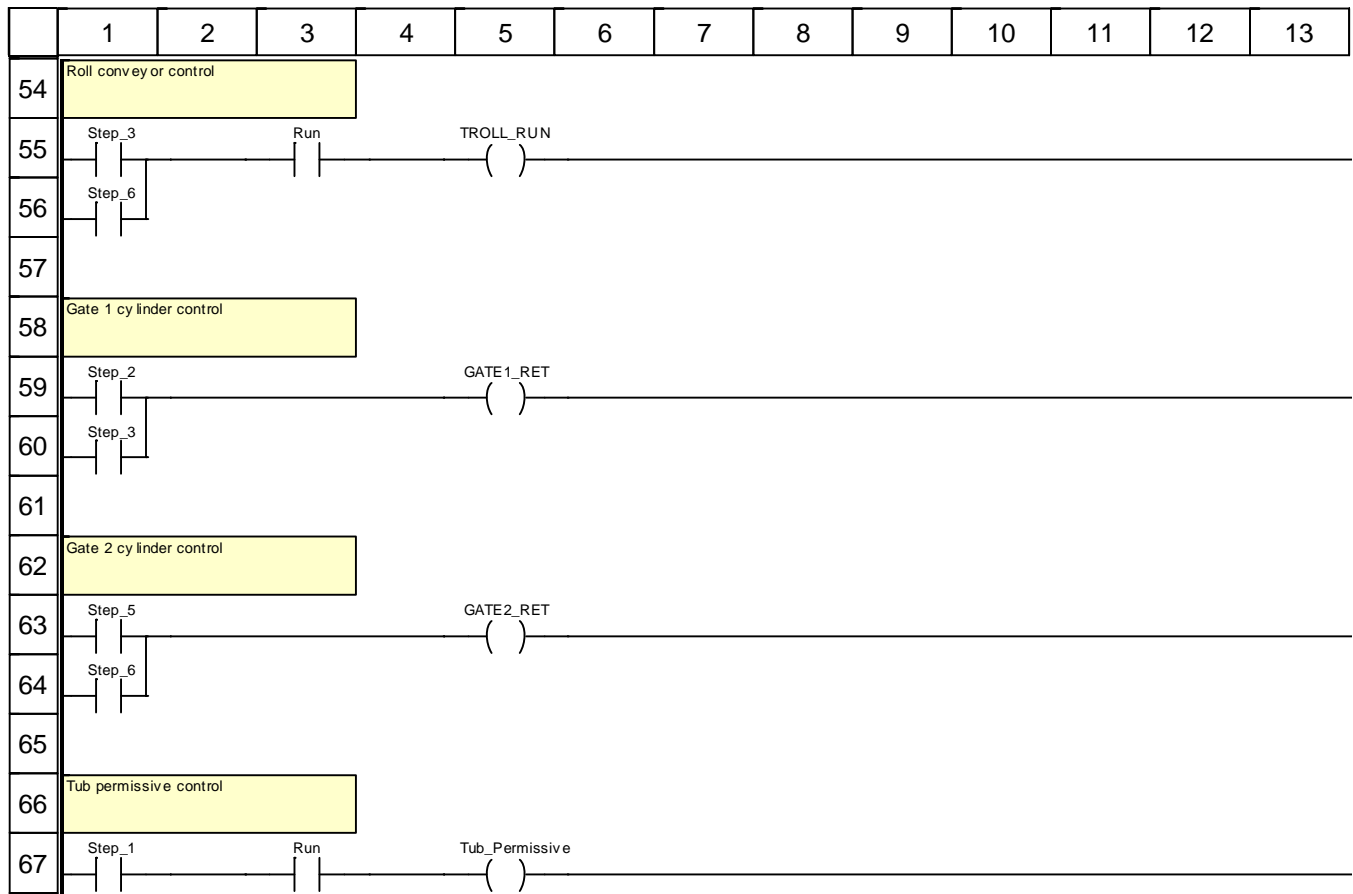
Main : [MAST]



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Truncated labels:

| Label | Position(s) |
|------------|-------------|
| GATE1_OPLS | (2, 18) |

FAST

Specific properties

| | |
|-----------------------------|----------|
| Configuration | Periodic |
| Task period configuration | 5 |
| Watchdog time configuration | 100 |

Cross References

Application:

Addresses

| Object | Referred into | Location | Usage |
|--------|---------------|----------|-------|
|--------|---------------|----------|-------|

Variables or FB instances

| Object | Referred into | Location | Usage |
|-------------|----------------|---------------|----------|
| BELT_RUN | Main : [MAST] | (l 52, c: 5) | W |
| | <Screen>Screen | | R (x1) |
| G1_Hold_Tmr | Main : [MAST] | (l 22, c: 9) | FC |
| G1Tic_Tmr | Main : [MAST] | (l 24, c: 4) | R |
| | | (l 22, c: 6) | FC |
| G2_Hold_Tmr | Main : [MAST] | (l 37, c: 9) | FC |
| G2Tic_Tmr | Main : [MAST] | (l 39, c: 4) | R |
| | | (l 37, c: 6) | FC |
| GATE1_CLLS | Main : [MAST] | (l 29, c: 2) | R |
| | <Screen>Screen | | R (x1) |
| GATE1_OPLS | Main : [MAST] | (l 18, c: 2) | R |
| | <Screen>Screen | | R (x1) |
| GATE1_RET | Main : [MAST] | (l 59, c: 5) | W |
| | <Screen>Screen | | R (x1) |
| GATE2_CLLS | Main : [MAST] | (l 44, c: 2) | R |
| | <Screen>Screen | | R (x1) |
| GATE2_OPLS | Main : [MAST] | (l 33, c: 2) | R |
| | <Screen>Screen | | R (x1) |
| GATE2_RET | Main : [MAST] | (l 63, c: 5) | W |
| | <Screen>Screen | | R (x1) |
| Part_Ctr | Main : [MAST] | (l 11, c: 5) | FC |
| PE272 | Main : [MAST] | (l 13, c: 3) | R |
| | <Screen>Screen | | R (x1) |
| Reset | Main : [MAST] | (l 48, c: 1) | R |
| Run | Main : [MAST] | (l 8, c: 1) | R |
| | | (l 13, c: 8) | R |
| | | (l 18, c: 3) | R |
| | | (l 24, c: 3) | R |
| | | (l 29, c: 3) | R |
| | | (l 39, c: 3) | R |
| | | (l 44, c: 3) | R |
| | | (l 48, c: 2) | R |
| | | (l 52, c: 3) | R |
| | | (l 55, c: 3) | R |
| | | (l 67, c: 3) | R |
| | | (l 33, c: 5) | R |
| | <Screen>Screen | | R (x1) |
| Step_1 | Main : [MAST] | (l 8, c: 2) | R |
| | | (l 8, c: 10) | W |
| | | (l 13, c: 1) | R |
| | | (l 14, c: 1) | R |
| | | (l 52, c: 1) | R |
| | | (l 67, c: 1) | R |
| | | (l 13, c: 11) | W |
| | | (l 44, c: 7) | W |

Cross References

| Object | Referred into | Location | Usage |
|----------------|----------------|---------------|----------|
| | | (l 48, c: 4) | W |
| Step_2 | Main : [MAST] | (l 8, c: 3) | R |
| | | (l 18, c: 1) | R |
| | | (l 59, c: 1) | R |
| | | (l 13, c: 12) | W |
| | | (l 18, c: 6) | W |
| | | (l 48, c: 5) | W |
| Step_3 | Main : [MAST] | (l 8, c: 4) | R |
| | | (l 24, c: 1) | R |
| | | (l 26, c: 1) | R |
| | | (l 55, c: 1) | R |
| | | (l 60, c: 1) | R |
| | | (l 18, c: 7) | W |
| | | (l 24, c: 12) | W |
| | | (l 48, c: 6) | W |
| Step_4 | Main : [MAST] | (l 8, c: 5) | R |
| | | (l 29, c: 1) | R |
| | | (l 24, c: 13) | W |
| | | (l 29, c: 6) | W |
| | | (l 48, c: 7) | W |
| Step_5 | Main : [MAST] | (l 8, c: 6) | R |
| | | (l 33, c: 1) | R |
| | | (l 63, c: 1) | R |
| | | (l 29, c: 7) | W |
| | | (l 33, c: 6) | W |
| | | (l 48, c: 8) | W |
| Step_6 | Main : [MAST] | (l 8, c: 7) | R |
| | | (l 39, c: 1) | R |
| | | (l 41, c: 1) | R |
| | | (l 56, c: 1) | R |
| | | (l 64, c: 1) | R |
| | | (l 33, c: 7) | W |
| | | (l 39, c: 12) | W |
| | | (l 48, c: 9) | W |
| Step_7 | Main : [MAST] | (l 8, c: 8) | R |
| | | (l 44, c: 1) | R |
| | | (l 39, c: 13) | W |
| | | (l 44, c: 6) | W |
| | | (l 48, c: 10) | W |
| TROLL_RUN | Main : [MAST] | (l 55, c: 5) | W |
| | <Screen>Screen | | R (x1) |
| Tub_Permissive | Main : [MAST] | (l 67, c: 5) | W |
| TUB_PROX | Main : [MAST] | (l 24, c: 2) | R |
| | | (l 39, c: 2) | R |
| | <Screen>Screen | | R (x1) |

Cross References

New_DFB:

Variables or FB instances

| | | | |
|--------|---------------|----------|-------|
| Object | Referred into | Location | Usage |
|--------|---------------|----------|-------|