

Figure 12. Starter Arrangements

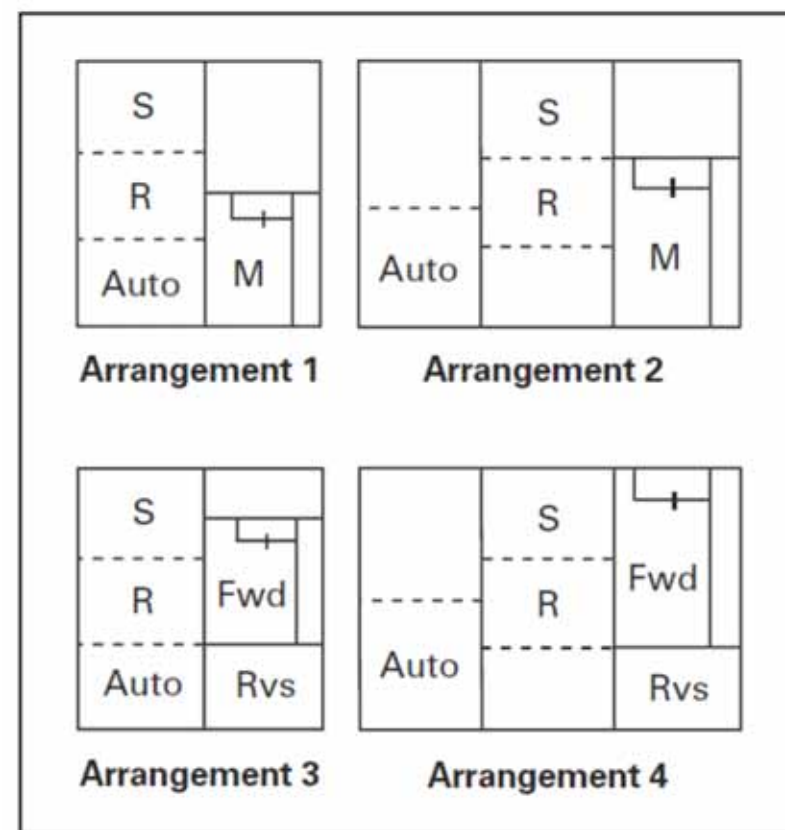


Figure 14. Starter Arrangements

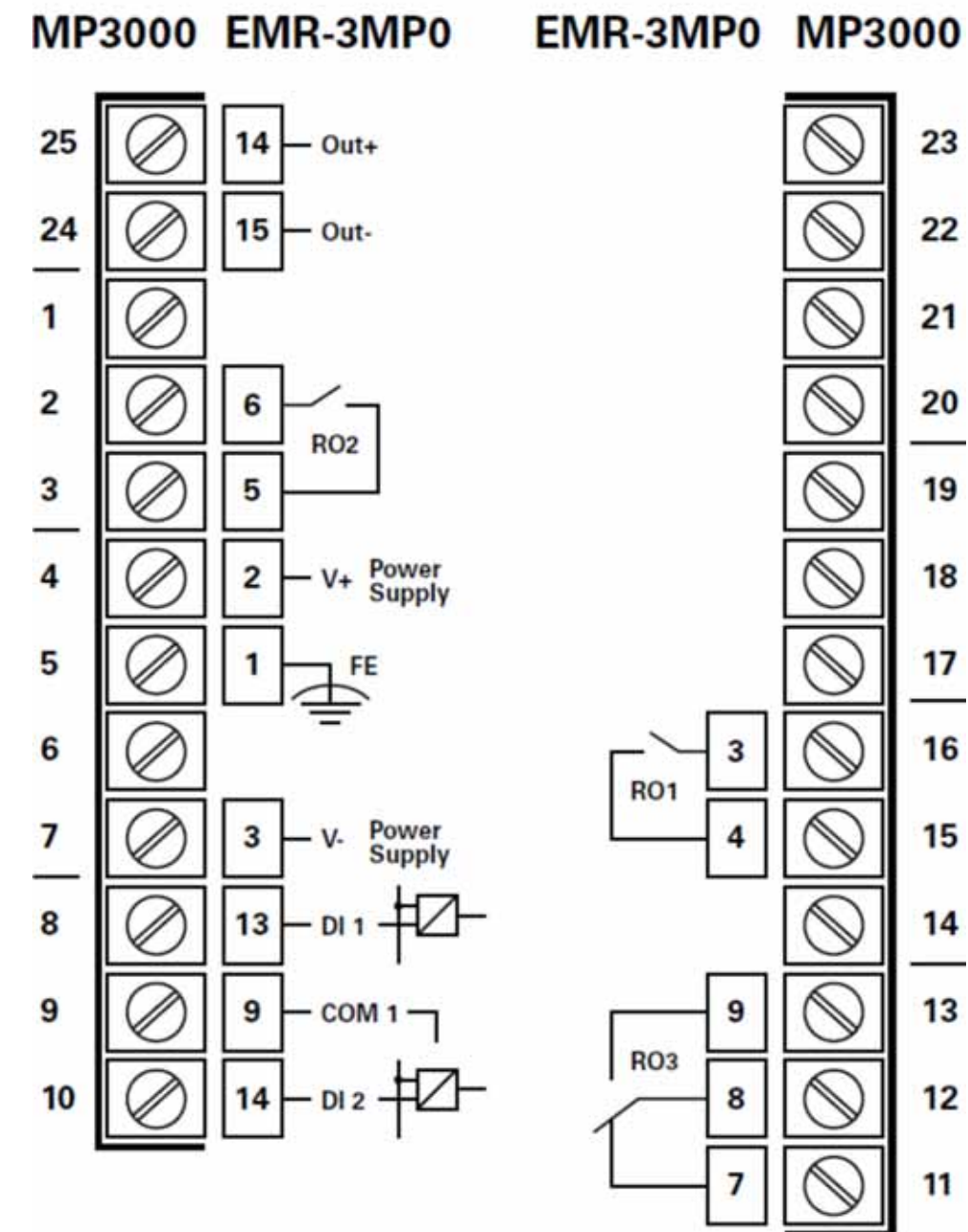
EMR-3MP0 Retrofit for MP-3000 Reduced Voltage Starter Applications

Auto-Transformer and Reactor

EMR-3MP0 Reduced Voltage Starter Configuration General Notes

- For both Autotransformer and Reactor Starters
- Digital input DI2 is used for Incomplete Sequence protection
- RO2 is wired as the “transition” contact (always on terminals 2 and 3 of the EMR-3MP0 wiring adapter)
- RO2 should be configured in software as NC for Autotransformer and NO for Reactor
- Trip contact should be connected to RO3 terminals 12 and 13 and configured in software as NC.

EMR-3MP0 wiring adapter



EMR-3MP0 Reduced Voltage Auto-Transformer Starter Configuration (PowerPort-E)

Input for incomplete sequence indication from starter

The screenshot displays five configuration windows for the EMR-3MP0 starter:

- Device Para/Digital Inputs/DI Slot X1:** DI 2 is configured to MStart . INSQ-I.
- Protection Para/MStart - Motor Start/M...:** INSQ is configured to DI Slot X1 . DI 2.
- Protection Para/MStart - Motor Start/Start Control:** INSQReportFrom is set to InSq Start2Run.
- Device Para/Relay Outputs/RO-3AI X2/R...:** Assignment 1 is set to Norm Energ. (NC).
- Device Para/Relay Outputs/RO-3AI X2/R...:** Assignment 2 is set to MStart . Blo.

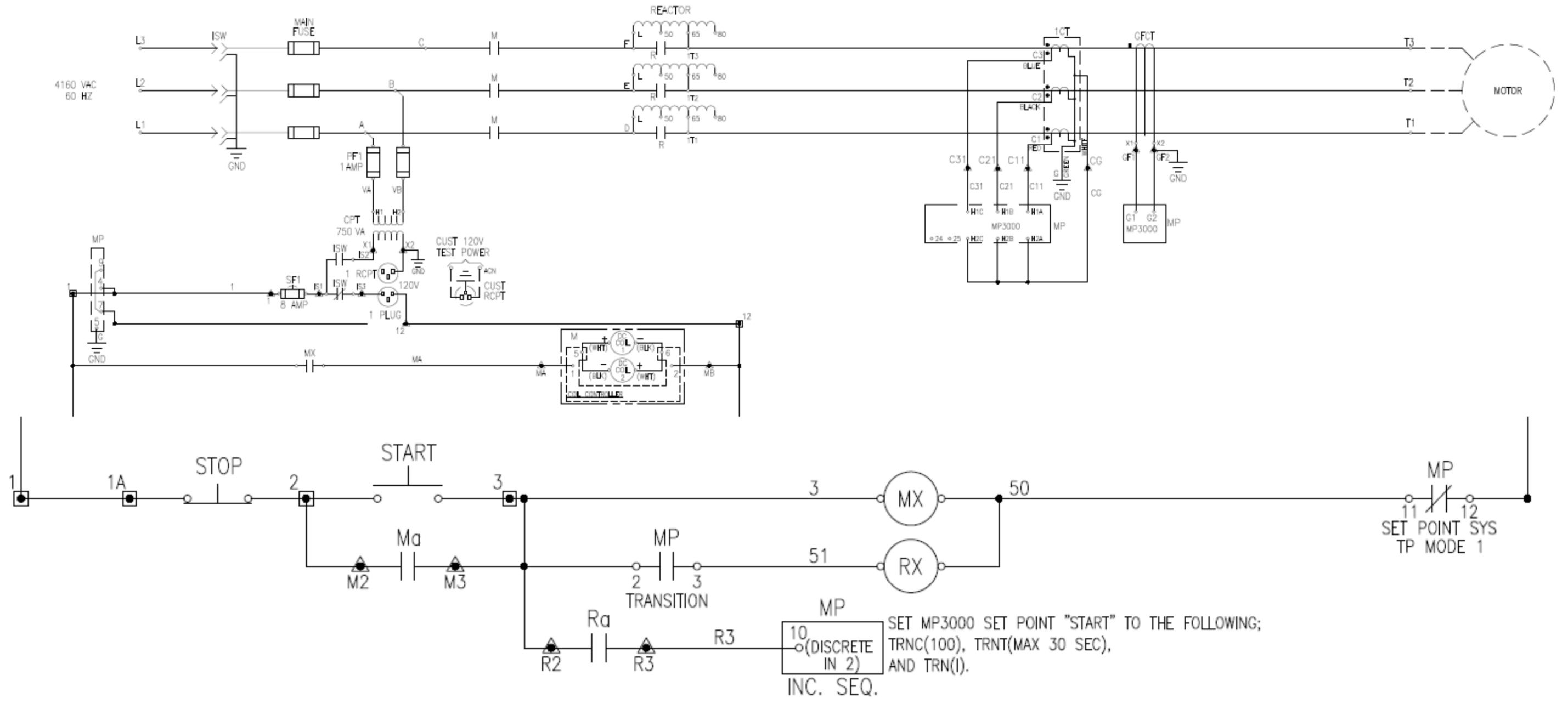
Red arrows indicate the flow of configuration: from the DI Slot X1 window to the Protection Para/MStart - Motor Start/M... window, and from the Protection Para/MStart - Motor Start/Start Control window to the Device Para/Relay Outputs/RO-3AI X2/R... window.

Transition output – RO2 set for NC

Incomplete Sequence Trip

Trip output RO3 with blocking for SPH, NOCS, TBS...

Reduced Voltage – Reactor – Original MP-3000 Wiring



EMR-3MP0 Reduced Voltage Reactor Starter Configuration (PowerPort-E)

Input for incomplete sequence indication from starter

The screenshot displays five configuration windows:

- Device Para/Digital Inputs/DI Slot X1:** DI 2 is configured to MStart . INSQ-I.
- Protection Para/MStart - Motor Start/M...:** INSQ is configured to DI Slot X1 . DI 2.
- Device Para/Relay Outputs/RO-3AI X2/R...:** Assignment 1 is configured to MStart . Run.
- Device Para/Relay Outputs/RO-3AI X2/R...:** Assignment 1 is configured to Prot . Trip and Assignment 2 to MStart . Blo.
- Protection Para/MStart - Motor Start/Start Control:** INSQReportFrom is configured to InSq Start2Run.

Red boxes highlight these specific configurations, and red arrows point from the text labels to the corresponding fields.

Transition output – RO2 set for NO

Incomplete Sequence Trip

Trip output RO3 with blocking for SPH, NOCS, TBS...