

Reclosers

Type ME Electronic Control
Closing Coil Control Fuse Replacement Instructions
Kit KP2075A18 and KP2075A21

Service Information

S280-75-62

Applicable to Form 2 Controls above Serial Number 8500, Form 3, and all Form 3A Controls



Figure 1.
Location of closing coil control fuse.

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Description

Service Information S280-75-62 provides information on the replacement of the closing coil control fuse on Form 2, Form 3, and Form 3A Type ME electronic recloser controls.

Bussmann Manufacturing has changed the design of the Type MDL-3/8 Amp dual element fuse used on Form 2, Form 3, and Form 3A controls. The redesigned (single element) Type MDL-3/8 fuse is not suitable for use on any Type ME control. Replacement fuses should only be Buss Type MDQ-3/8.

Type MDQ Closing Coil Control Fuse

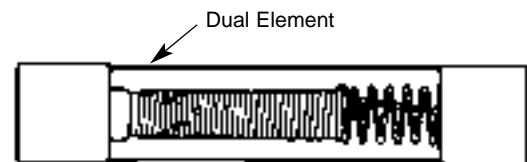
Form 3A Type ME electronic recloser controls are equipped with a closing coil control fuse (refer to Figure 1) and each control includes a box of spare fuses located inside the control cabinet.

On solenoid-operated reclosers, the fuse will open the closing circuit to protect the potential closing coil in the recloser if closing cannot be accomplished due to low closing voltage. On motor operated reclosers, an undervoltage relay is provided in the recloser for undervoltage-conditions and the fuse provides isolation of the closing circuit from other sections of the control circuit.

A Buss Type MDQ-3/8 Amp, 250 Volt fuse is used. Fuses of similar ratings by other manufacturers have slightly different characteristics and should not be used for replacement.

CAUTION: Use only Buss Type MDQ-3/8 Fuses. Previously, all Form 3A and most earlier controls were supplied with Buss Type MDL-3/8 fuses. Buss has redesigned and changed the characteristics of that fuse and it is no longer suitable for use on any Form 2, Form 3, or Form 3A control. Failure to use a proper closing coil fuse will result in unnecessary fuse operation and prevent the recloser from closing.

Note: Buss has also redesigned the MDL-2.5 Amp fuse that is used on controls shipped with reclosers having “quick-close” mechanisms such as Type VSO and VSMT reclosers. The time-current characteristics of the new single element MDL-2.5 fuse are not affected. Buss will continue to manufacture the dual element version of the fuse under the new designation of MDQ-2.5. Both the MDL 2.5 Amp fuse and the MDQ-2.5 Amp fuse are acceptable for this application.



- MDQ-3/8
- MDL-3/8 (Pre-1988)

Correct Fuse



Redesigned MDL-3/8

Wrong Fuse

Figure 2.
Correct vs. incorrect closing coil control fuses.



KA2048-291

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