



TECHNICAL INFORMATION

TITLE: SE-134C GROUND-FAULT GROUND-CHECK MONITOR GUIDEFORM SPECIFICATION

Ground-fault and ground-check monitoring shall be provided by a Startco SE-134C Ground-Fault Ground-Check Monitor. The microprocessor-based monitor features:

IEEE Device Numbers:

- 3GC, 50G, 51G, 51N

Protective Functions:

- Ground fault with harmonic filtering
- Ground-check loop resistance
- Open ground-check loop
- Shorted ground-check loop
- Current-Sensor Failure

Face-Plate Controls:

- Ground-Fault-Trip Level
 - 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0, 5.0, 7.5, 10.0, and 12.5 A
- Ground-Fault-Trip Delay
 - 0.10, 0.20, 0.30, 0.40, 0.50, 0.70, 1.0, 1.3, 1.6, 2.0, and 2.5 s
- Reset
- Ground-Check Test

Face-Plate Indication:

- Ground Fault
 - Red ground-fault-trip LED
 - Green current-sensor verification LED
- Ground Check
 - Red ground-check-trip LED
 - Green ground-check-valid LED
 - Yellow ground-circuit-open LED
 - Yellow ground-circuit-short LED
- Diagnostic Error LED
- Power LED

Inputs:

- Current sensor – SE-CS10 series
- Remote reset
- Remote ground-check test

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Outputs

- Contacts
 - Trip – Isolated N.O. and N.C., fail-safe or non-fail-safe operating mode
 - Ground Fault – Form C, fail-safe operating mode
 - Ground Check – Form C, fail-safe operating mode

Termination Devices:

- SE-TA6A: 5.6 V, 50 W
- SE-TA6A-WL: 5.6 V, 50 W, with wire leads
- SE-TA12A and SE-TA12B combination for dual-cable, splitter-box applications

Mounting:

- Surface
- Panel

Connections:

- Plug-in wire-clamping terminal blocks
 - Screw retained blocks when SE-134C is panel mounted
 - Back-plane mounted blocks when SE-134C is surface mounted

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