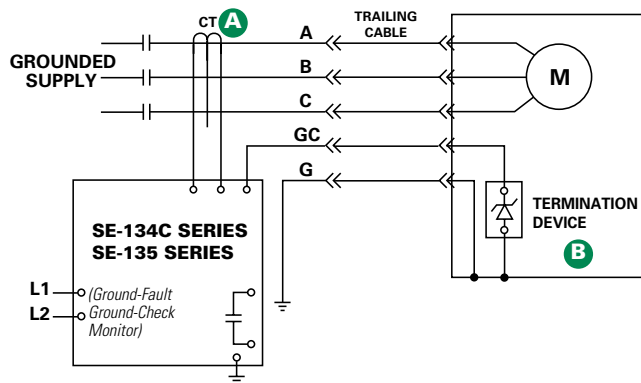


SE-134C, SE-135 SERIES

Ground-Fault Ground-Check Monitor



Simplified Circuit Diagram



Ordering Information

CATALOG/ SYSTEM NUMBER	CONTROL POWER
SE-134C-00	60-265 Vac; 80-370 Vdc
SE-135-00	60-265 Vac; 80-370 Vdc

ACCESSORIES	REQUIREMENT
SE-CS10 Series	Required
SE-TA6A Series (for SE-134C)	Required
SE-TA12A Series (for SE-135)	Required
SE-IP65CVR-G	Optional
RK-132	Optional

See pg. 48-56 for Current Transformer Selection Guide and Accessory Information.

Description

The SE-134C/SE-135 is a microprocessor-based, combination ground-wire monitor and ground-fault relay for resistance-grounded or solidly grounded systems. It continuously monitors the integrity of the ground wire to protect portable equipment from hazardous voltages caused by ground faults. The SE-134C/SE-135 is field proven in monitoring trailing cables on large mobile equipment such as shore-to-ship power cables, dock-side cranes, stacker-reclaimers, submersible pumps, portable conveyors, drag-lines, and mining shovels.

Features & Benefits

FEATURES	BENEFITS
Adjustable Pickup (0.5-12.5 A)	Unit can be used on a wide variety of trailing cable applications
Adjustable Time Delay (1-2.5 s)	Adjustable trip delay for quick protection and system coordination
Output Contacts	Separate annunciation of ground-fault and ground-check faults
Ground-Check LED Indication	Indication of open or short ground-check wire makes it easier to find faults
CT-Loop Monitoring	Alarms when CT is not connected
High-Induced-ac Rejection	Makes unit suitable for applications with high voltages and long cables
DFT (Harmonic) Filter	Prevents false operation
Zener-Characteristic Termination Assembly	Provides reliable ground-check loop verification
Fail-Safe Circuits	Ensures ground-check and ground-fault circuits remain safe even in the event of equipment failure
Conformal Coating	Additional coating protects circuit boards against harsh environment

Accessories

A



SE-CS10 Series Ground-Fault Current Transformer

Required zero-sequence current transformer detects ground-fault current.

B



SE-TA6A Series, SE-TA12A Series Termination Assembly

Required termination assembly; temperature compensated.

Specifications

IEEE Device Numbers	Checking or Interlocking Relay (3GC), Ground fault (50G/N, 51G/N)
Input Voltage	60-265 Vac; 80-370 Vdc 15W
Dimensions	H 213 mm (8.4"); W 99 mm (3.9"); D 132 mm (5.2");
Trip Level Settings	0.5-12.5 A
Trip Time Settings	0.1-2.5 s
Contact Operating Mode	Selectable fail-safe or non-fail-safe
Harmonic Filtering	Standard feature
Test Button	Standard feature
Reset Button	Standard feature
Output Contacts	Isolated Form A and Form B
Approvals	CSA certified, UL listed
Conformally Coated	Standard feature
Warranty	5 years
Mounting	Panel, Surface