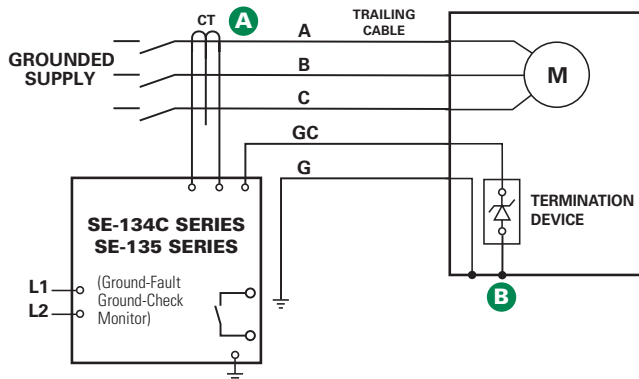


SE-134C, SE-135 SERIES

Ground-Fault Ground-Check Monitor



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	OPTION	POWER SUPPLY	COMM
SE-134C	Blank or XGC	0=120/240 Vac/Vdc 1=24/48 Vdc ⁽¹⁾	0=None
SE-135	Blank or XGC	0=120/240 Vac/Vdc 1=24/48 Vdc ⁽¹⁾⁽²⁾	0=None 3=Ethernet ⁽¹⁾

ACCESSORIES	REQUIREMENT
SE-CS10 Series	Required
SE-CS40 Series (for SE-135)	Optional
SE-TA6A Series (for SE-134C)	Required
SE-TA12A/SE-TA12B Combination (for SE-134C)	Optional
SE-TA12A Series (for SE-135)	Required
SE-IP65CVR-G	Optional
RK-132	Optional
PPI-600V	Optional

(1) CE/C-Tick not available.
 (2) Not available with Ethernet option 3.
 (3) See ordering information.
 See 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 conductor 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 drag-lines, mining shovels, shore-to-ship power cables, dock-side cranes, stacker-reclaimers, submersible pumps, and portable conveyors.

Features & Benefits

FEATURES	BENEFITS
Adjustable pickup (0.5-12.5 A for SE-CS10) (2 - 50 A for SE-CS40)	Unit can be used on a wide variety of trailing cable applications
Adjustable time delay (0.1-2.5 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
XGC option	Increases maximum cable length for ground-check monitoring (10 km typical)

Accessories



SE-CS10 or SE-CS40 Series Ground-Fault Current Transformer
 Required zero-sequence current transformer detects ground-fault current.



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	65-265 Vac; 85-275 Vdc; 18-72 Vdc
Dimensions	H 213 mm (8.4"); W 99 mm (3.9"); D 132 mm (5.2");
Trip Level Settings	0.5-12.5 A for SE-CS10, 2 - 50 A for SE-CS40
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, Two Form C
Approvals	CSA certified, UL Listed (E340889), C-Tick (Australia) ⁽³⁾ , CE ⁽³⁾
Conformally Coated	Standard feature
Warranty	5 years
Mounting	Panel, Surface
GC Trip Resistance	28Ω (Standard), 45Ω (XGC Option)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Industrial Relays](#) category:

Click to view products by [Littelfuse](#) manufacturer:

Other Similar products are found below :

[6-1618400-7](#) [686-117111](#) [686-120111](#) [EV250-4A-02](#) [EV250-6A-01](#) [FCA-125-CX8](#) [FCA-410-138](#) [8-1618393-1](#) [GCA32A208VAC60HZ](#)
[GCA32A220VAC50/60HZ](#) [GCA32A230VAC50/60HZ](#) [GCA32A240VAC50/60HZ](#) [GCA32A48VAC60HZ](#) [GCA63A120VAC50/60HZ](#)
[GCA63A208VAC60HZ](#) [GCA63A220VAC60HZ](#) [GCA63A230VAC50/60HZ](#) [GCA63A240VAC50/60HZ](#) [GCA63A277VAC60HZ](#)
[GCA63A48VAC60HZ](#) [GCA63A500VAC50/60HZ](#) [GCA63A600VAC60HZ](#) [GCA800A200VACDC](#) [GCA95A110VAC50/60HZ](#)
[GCA95A120VAC50/60HZ](#) [GCA95A12VDC](#) [GCA95A240VAC50/60HZ](#) [GCA95A24VAC50/60HZ](#) [GCA95A48VAC60HZ](#) [ACC530U20](#)
[ACC730U30](#) [1395832-1](#) [RM699BV-3011-85-1005](#) [RMIA210230AC](#) [RMIA45024AC](#) [1423675-8](#) [B07B032AC1-0329](#) [B329](#) [1617807-1](#)
[N417](#) [P25-E5019-1](#) [P30C42A12D1-120](#) [2-1618398-1](#) [PBO-18A1218](#) [2307497](#) [RPYA00324LT](#) [RPYA003A120LT](#) [KR-4539-1](#)
[RT334012WG](#) [S160156115](#)