### **Protection Relays and Controls**

Neutral-Grounding-Resistor Monitoring

# Expertise Applied | Answers Delivered

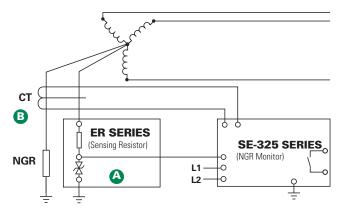
## SE-325 SERIES (PGM-8325)

#### Neutral-Grounding-Resistor Monitor





#### Simplified Circuit Diagram



### **Ordering Information**

ORDERING NUMBER	CONTROL POWER
SE-325	120 Vac
SE-325D	120 Vac/Vdc
SE-325E	240 Vac

Consult manual online for additional ordering options.

ACCESSORIES	REQUIREMENT
CT200 Series	Required
ER Series	Required
SE-MRE-600	Optional
RK-325, RK-325I, RK-302	Optional
RK-13	Optional
NGRM-ENC	Optional

#### Description

The SE-325 Neutral-Grounding-Resistor Monitor is used on resistance-grounded systems up to 25 kV to monitor the integrity of the neutral-to-ground path and to detect ground faults. It measures current and voltage in a transformer or generator neutral-to-ground connection and continuity of the neutral-grounding resistor (NGR). The SE-325 coordinates these three measurements to detect a loose connection, corrosion, ground fault, or NGR failure, and provides one alarm or trip output contact.

#### Features & Benefits

FEATURES	BENEFITS
Continuous NGR monitoring	Detects resistor failure within seconds, reduces transient-overvoltage risk, removes risk of ground- fault-detection failure
Ground-fault Detection	Main or backup protection to detect a ground fault anywhere on the monitored system
Adjustable pickup (0.5-4 A)	Select greatest sensitivity without false operation
Adjustable time delay (0.1-2 s)	Adjustable trip delay allows system coordination
Output contacts	Form A output contact
Selectable contact operating mode	Selectable fail-safe or non-fail-safe operating modes allows connection to shunt or undervoltage breaker coil or alarm system

#### Accessories



#### **ER Series Sensing Resistor**

Required interface between the power system and the SE-325. Eliminates hazardous voltage levels at the monitor.



**CT200 Series Current Transformer** Required CT detects ground-fault current.

#### RK Series Remote Indication and Reset

Optional panel-mounted remote indication and reset assemblies. Available in NEMA 1 or NEMA 4 configurations.

#### **Specifications**

IEEE Device Numbers

Input Voltage Dimensions

GF Trip Level Settings GF Trip Time Settings RF Trip-Level Settings

Contact Operating Mode Reset Button Output Contacts Approvals Conformally coated

Conformally coat Warranty Mounting Ground Fault (50G/N, 51G/N), Overvoltage (59N), Lockout Relay (86), Checking Relay (3) See ordering information **H** 150 mm (5.9"); **W** 109 mm (4.3"); **D** 100 mm (4.0") 0.5-4.0 A 0.1-2.0 s 20-400 Vac (≤5 kV systems) 100-2,000 Vac (>5 kV systems) Selectable fail-safe or non-fail-safe Standard feature Form A CSA certified, UL Listed (E340889), C-Tick (Australian) Standard feature 5 years Surface

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for I/O Modules category:

Click to view products by Littelfuse manufacturer:

Other Similar products are found below :

 70L-IDC5S
 70L-OAC-L
 70Z3289-4
 G21960000700
 G21960002700
 G34960002700
 G88104401
 OACU
 C4SWOUT
 PB16H

 G34960001700
 G3TA-OA101SZ-1
 DC24
 G77-S
 G78-16-E
 5607189
 DA5
 ODC-24A
 IDC5P
 FC6A-N16B1
 6421
 70MRCQ32-HL

 G3TAOD201SDC24
 C200H-LK201-V1
 G3TA-OA202SZ-US
 DC12
 GT1-OD16
 GT1-AD04CST
 GT1-DA04
 B7AM-6BS
 70GRCQ24-HS

 6422
 84110410
 GT1-OD16MX
 G7VC-OC16-B7
 70MRCK24-DIN
 6202
 6402
 PI/NI-2D/24
 FC6A-J2C1
 FC6A-KC1C
 FC6A-J8CU1

 GP32900003700
 641-480-5022
 PB16H
 84145010
 84110210
 FRUSB1601
 PCL-720+-BE
 FRRJ451601
 AP24MX3DB25F
 ADAM-5053S 

 AE
 AE
 AE
 AE
 AE
 AE
 AE
 AE
 AE