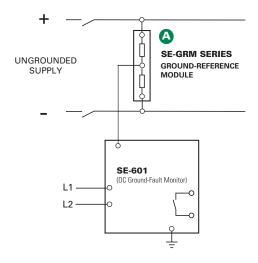


# SE-601 SERIES (PGR-2601)

#### DC Ground-Fault Monitor



### **Simplified Circuit Diagram**



## **Ordering Information**

ORDERING NUMBER	CONTROL POWER
SE-601-0U	120/240 Vac/Vdc
SE-601-0D	12/24 Vdc
SE-601-0T	48 Vdc
ACCESSORIES	REQUIREMENT
SE-GRM SERIES	Required
PGA-0500	Optional
PMA-55	Optional
PMA-60	Optional
PMA-60	Optional

Note: For optional conformal coating please consult factory.

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### **Description**

The SE-601 is a microprocessor-based ground-fault relay for ungrounded dc systems. It provides sensitive ground-fault protection without the problems associated with nuisance tripping. Ground-fault current is sensed using an SE-GRM Series Ground-Reference Module—a resistor network that limits ground-fault current to 25 mA. The SE-601 is used on ungrounded dc systems ranging from industrial 24-Vdc control circuits to 1000-Vdc solar and transportation systems.

#### **Features & Benefits**

FEATURES	BENEFITS
Adjustable pickup (1-20 mA)	Ten settings provide a wide range of low-level protection
Adjustable time delay (50 ms-2.5 s)	Adjustable trip delay allows quick protection or delayed response
Output contacts	Form A and Form B output contacts for operation of separate annunciation and trip circuits
Analog output (0-5V)	Provides means for connecting to a meter (PGA-0500) or a control system
Non-volatile trip Memory	Retains trip state when de-energized to simplify troubleshooting
Selectable contact operating mode	Selectable fail-safe or non-fail-safe operating modes allow connection to shunt or undervoltage breaker coil
Microprocessor based	No calibration required saves on maintenance cost

#### **Accessories**



#### **SE-GRM Series Ground-Reference Module**

Required accessory, used to connect the SE-601 DC Ground-Fault Monitor to the DC bus.



#### PGA-0500 Analog % Current Meter

Optional panel-mounted analog meter displays ground-fault current as a percentage of 22

### **Specifications**

**IEEE Device Numbers** Input Voltage **Dimensions Trip Level Settings Trip Time Settings Output Contacts** 

DC Overcurrent Relay (76G) See ordering information

**H** 75 mm (3.0"); **W** 55 mm (2.2"); **D** 115 mm (4.5") 1-20 mA

0.05 - 2.5 s**Contact Operating Mode** 

Isolated Form A and Form B Selectable fail-safe or non-fail-safe

**Test Button** Local **Reset Button** Local and remote 0-5 V **Analog Output** 

Consult factory

**Conformally Coated Approvals** 

CSA certified, UL Listed (E340889), CE (European Union), C-Tick (Australian)

5 years Warranty

DIN, Surface (standard) Mounting

Panel (with PMA-55 or PMA-60 adapter)

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

SE-601-0D SE-601-0U