

## SE-330 NEUTRAL-GROUNDING-RESISTOR MONITOR GUIDEFORM SPECIFICATION

Grounding-resistor monitoring shall be provided by a Littelfuse Startco SE-330 Neutral-Grounding-Resistor Monitor. The microprocessor-based flash-upgradable NGR monitor features are:

### IEEE Device Numbers:

- 50/51G, 50/51N, 59N, 86

### Protective Functions:

- Grounding-resistor failure – continuously monitors for NGR failure
- Ground fault

### Inputs:

- Current transformer (CT) – 1-A and 5-A secondary, and sensitive (50-mA secondary)
- ER-series sensing resistor
- Remote reset
- Pulse enable

### Outputs:

- Contacts
  - Trip/Pulse – Form A (fail-safe or non-fail-safe) or pulsing operation
  - Ground-Fault Trip – Form C (latching or non-latching, fail-safe or non-fail-safe)
  - Resistor-Fault Trip – Form C (latching or non-latching, fail-safe or non-fail-safe)
  - Indication – Form A or Form B (unit-healthy indication)
- 4-20 mA Analog – indicates earth-leakage current

### Communications:

- mini-B and USB local communications
- Optional network communications
- microSD™ card slot

### Indication:

- Green power-on LED
- Red ground-fault-trip LED
- Red resistor-fault-trip LED
- Yellow trip-relay-state LED
- Green calibrated LED
- Red diagnostic LED

### Settings:

- Ground-fault-trip levels: 1 to 100% of CT rating
- Ground-fault-trip time: 0.1 to 10.0 s
- Neutral-voltage-trip level: 20 to 10,000 V ac
- Pulse period: 1.0 to 3.0 s
- Harmonic filter: 50 or 60 Hz

### Mounting:

- Surface
- Panel