

# LineGard® 30 Amp Multi-phase Permanent Series (Splice-in) GFCI

- Power and fault status indicators
- Double insulated user interface
- Industrial design for rough service
- Chemical and UV resistant enclosure
- cULus Listed as a Class A GFCI per UL 943 and CSA 22.2 No. 144
- 30 amp configurations in 120/240 VAC 4-wire, 3Ø 120/208 VAC 5-wire, 3Ø 240 VAC 4-wire, 3Ø 208 VAC 4-wire, 3Ø 277 VAC 4-wire (UL 1053)
- NEMA 4X and 6P wet location rated indoor / outdoor applications
- Available in automatic or manual reset configurations\*



## Product Description:

The LineGard® 30 Amp Permanent Series is an industrial grade ground fault interrupter device designed and manufactured by North Shore Safety, Ltd., a leader in innovated safety products. The unique design offers the flexibility of splicing in protection of a GFCI anywhere within the length of the circuit run, making it ideal for both new and existing applications. Unlike breaker style GFCI's which have limitations of circuit length from the service panel, the PFGS series can be integrated directly into a circuit or paired in tandem with an approved receptacle and enclosure.

Available with an operating voltage of 120/240 VAC dual voltage, 3Ø 120/208 VAC, 3Ø 240 VAC (certified to CSA 22.2 only), 3Ø 208 VAC or 3Ø 277 VAC (UL 1053 compliant), all units have 18" splicing leads and a 3/4" NPT fitting to allow connection to 3/4" PVC, EMT, burial and flexible conduits. All units are MADE IN THE USA and are listed per UL 943 and CSA 22.2 No.144

## Specifications:

|                                |                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------|
| Type:                          | Class A cCSAus Listed, UL 943, CSA 22.2 No. 144                                                   |
| Voltage:                       | 120/240 VAC Dual Voltage, 120/208 VAC 3Ø, 240 VAC 3Ø (CSA only), 208 VAC 3Ø, 277 VAC 3Ø (UL 1053) |
| Operating voltage range:       | 85% to 110% of rated VAC                                                                          |
| Current:                       | up to 30 amps and/or device rating Horse                                                          |
| power:                         | 1HP@120 VAC, 3HP@240 VAC                                                                          |
| Frequency:                     | 60 Hz                                                                                             |
| Trip level:                    | 5mA +/-1mA                                                                                        |
| Phase:                         | Dual voltage and 3Ø                                                                               |
| Response time:                 | 25mS max.                                                                                         |
| Operating temperature:         | -35°C to 66°C                                                                                     |
| Let-go voltage:                | 60% of supply voltage                                                                             |
| Reset type*:                   | Automatic or manual                                                                               |
| Open neutral protection**:     | Trips upon loss of neutral                                                                        |
| Grounded neutral protection**: | Trips if ground and neutral touch at load side                                                    |
| Switch interface:              | Double insulated                                                                                  |
| Latching mechanism:            | Electro-magnetic                                                                                  |

\* Manual configuration should be specified if automatic start-up after power restoration of circuit power creates an unsafe condition.

\*\* Applicable models only

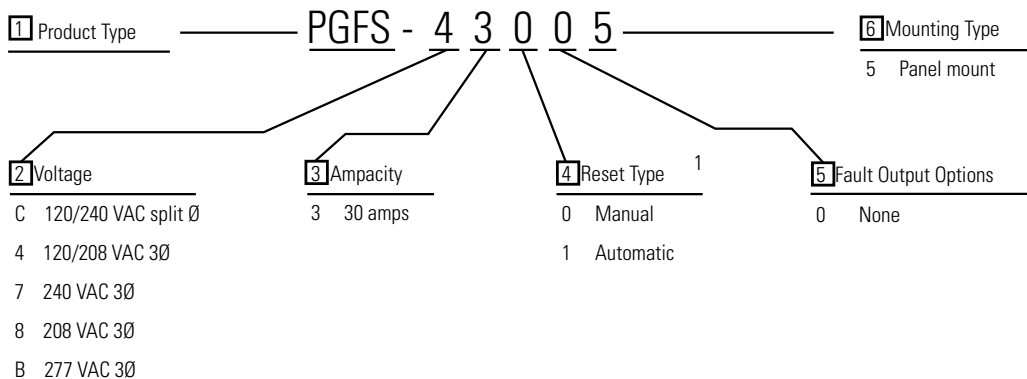
**Related Codes:**

- Confined space  
OSHA 29 CFR 1926.404 (b)(1)(ii) &  
OSHA 29 CFR 1926.405 (a)(2)(ii)(G)
- Construction sites  
(NEC 590.6)
- Commercial Garages  
(NEC 511.12)
- Outdoor signs  
(NEC 600.10)
- Fountains and water displays  
(NEC 680.58)
- Spa and hot tubs  
(NEC 680.40)
- Marinas and boat yards  
(NEC 555.3)

**Application Opportunities:**

- Electrical wet locations
- Power generators
- Agricultural equipment
- Portable power skilled trade
- Outdoor electrical equipment
- De-icing equipment (roof heaters)
- Portable electric heaters
- Submersible pumps
- Pipeline heaters
- Automotive garages
- Industrial part washers
- Outdoor signage
- Vending equipment
- Production assembly power
- Cement cutting equipment

**ORDERING EXAMPLE:**



\*Note: 1. Manual configuration should be specified if automatic power-up, after power restoration of circuit power, could create an unsafe condition.

**Flying Leads (Splice-in)**

