

LineGard | PGFS Series

30 Amp Multi-Phase Permanent Series (Splice-In) GFCI

INTRODUCTION

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

FEATURES

- 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)
- Available in automatic or manual reset configurations[1]

SPECIFICATIONS

Listing Type	cULus Listed Class A UL 943 CSA 22.2 No. 144
Rated Supply Voltage	120/240 VAC Dual Voltage, 120/208 VAC 3Ø, 240 VAC 3Ø (CSA only), 208 VAC 3Ø, 277 VAC 3Ø (UL 1053)
Rated Current	Up to 30 Amps or rating of wiring device and/or cable
Horse Power	1HP@120 VAC, 3HP@240 VAC
Trip Level	5mA +/–1mA
Operating Frequency	60 Hz
Reset Type[1]	Automatic or Manual
Phase	Dual voltage and 3 phase
Response Time	25mS max
Operating Temperature	–35°C to 66°C
Operating Voltage Range	85% to 110% of rated VAC
Let-Go Voltage	60% of supply voltage
Open Neutral Protection	Trips upon loss of neutral
Grounded Neutral Protection	Trips if ground and neutral touch at load side

1. Manual configuration should be specified if automatic start-up after power restoration of circuit power creates an unsafe condition.
2. 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 & Water Displays	(NEC 680.58)
Spa & Hot Tubs	(NEC 680.40)
Marinas & Boat Yards	(NEC 555.3)

APPLICATION OPPORTUNITIES:

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

DECISION TABLES

PGFS - 4 3 0 0 5

1 Product Type

2 Voltage

C	120/240 VAC split Ø
4	120/208 VAC 3Ø
7	240 VAC 3Ø
8	208 VAC 3Ø
B	277 VAC 3Ø

3 Ampacity

3	30 amps

4 Reset Type [1]

0	Manual
1	Automatic

5 Fault Output Options

0	None

6 Mounting Type

5	Panel mount

*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)

