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LineGard | PGFI Series
 20 Amp Portable Series (Cord) GFCI / ELCI

INTRODUCTION

The LineGard™ 20 Amp Portable Series is an industrial grade ground fault circuit interrupter designed and manufactured by North Shore Safety, Ltd., a leader in innovated safety products. This product is the “Go Anywhere” protection device. Rated for 20 amps and available at 120 VAC, 240 VAC, 208 VAC, or 277 VAC (UL 1053 compliant), the device is also available with either manual (safe start) or automatic reset configuration. Standard offerings include products with plug and connector or flying leads for field configuring which can be constructed into stand-alone cord sets or equipment integrated power supply cords. The product series is well suited for wet location use with an achieved NEMA 4X rating.

Note that any power cord integrated with this device becomes OSHA compliant for portable power usage in confined space: OSHA 29 CFR 1926.404(b)(1)(ii) and 29 CFR 1926.405(a)(2)(ii)(G). Additionally, this product meets the requirements of NEC 590.6(a) & (b).

FEATURES

- Power and fault status indicators
- Electro-mechanically latched contacts will not de-latch under rough service usage
- Chemical and UV resistant enclosure
- Class A cULus 943 listed
- NEMA 4X rated (indoor / outdoor use)
- Double insulated user interface for added safety
- Available in automatic or manual reset configurations*
- Available with wiring devices or flying leads
- 2-year manufacturer’s warranty

SPECIFICATIONS

Listing Type	cULus Listed Class A UL 943 CSA 22.2 No. 144
Rated Supply Voltage	120 VAC, 240 VAC, 208 VAC, 277 VAC (UL 1053 compliant)
Rated Current	Up to 20 Amps or rating of wiring device and/or cable
Trip Level, Class A	5mA +/- 1mA (UL 943)
Operating Frequency	60 Hz
Reset Type¹	Automatic or Manual
Ground Trip Current	4 mA to 6 mA
Overload Current	90 Amps @ 125VAC
Insulation Voltage	1,500 VRMS for 1 minute
Endurance Operations	3000 operations

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

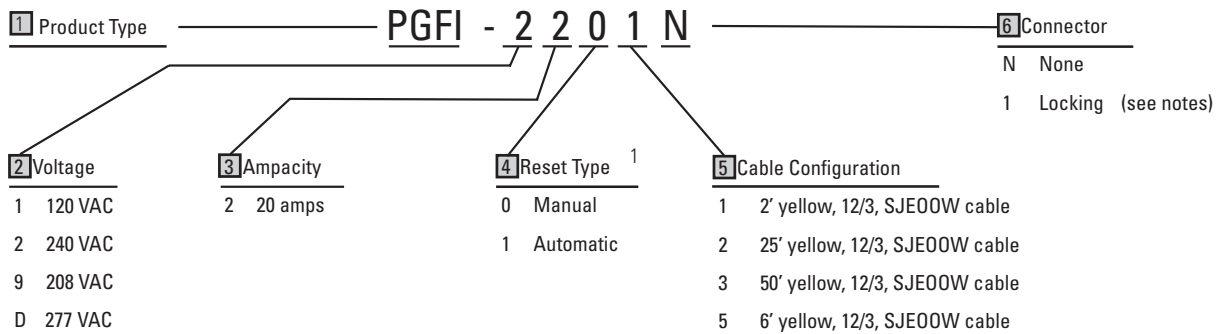
2. Integrated or replacement cable must be indoor/outdoor 3-conductor cable of type ST, SJT, SE, SJE, SO or SJO

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



Note:

1. Manual configuration should be specified if automatic power-up, after power restoration of circuit power, could create an unsafe condition.
2. Units are configured with SJTW cable and molded locking non-watertight connectors configured to 20 Amps. NEMA configurations for the 120 VAC and 208/240 VAC are L5-20 and L6-20 respectively. 277 VAC configurations are L7-20
3. Integrated or replacement cable must be indoor/outdoor 3-conductor cable of type ST, SJT, SE, SJE, SO or SJO
4. Custom cord sets and watertight connectors are available. Please consult Airpax

NEMA and IEC 309 Connectors available



Flying Leads (SJO0W)

