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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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

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

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

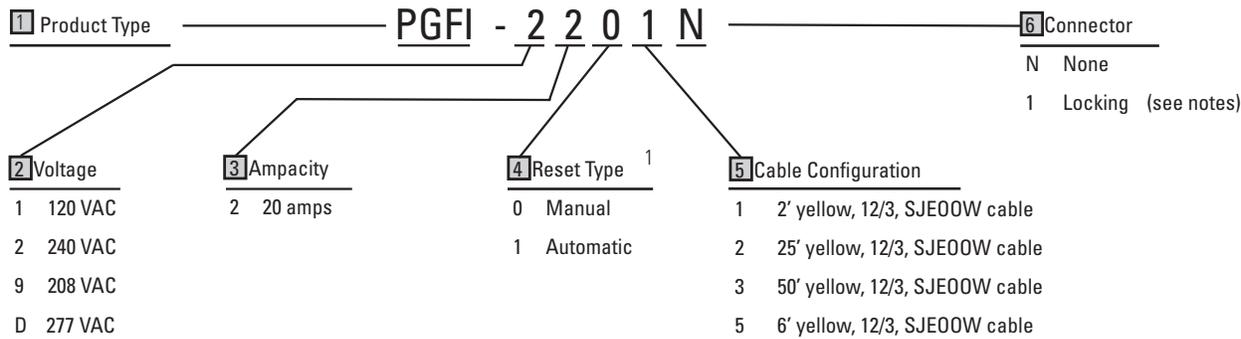
2. Integrated or replacement cable must be indoor/outdoor 3-conductor cable of type ST, SJT, SE, SJE, SO or SJO

RELATED CODES	
<b>Confined Space</b>	OSHA 29 CFR 1926.404 (b)(1)(ii), OSHA 29 CFR 1926.405 (a)(2)(ii)(G)
<b>Construction Sites</b>	(NEC 590.6)
<b>Commercial Garages</b>	(NEC 511.12)
<b>Outdoor Signs</b>	(NEC 600.10)
<b>Fountains &amp; Water Displays</b>	(NEC 680.58)
<b>Spa &amp; Hot Tubs</b>	(NEC 680.40)
<b>Marinas &amp; Boat Yards</b>	(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 (SJ00W)

