Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

LineGard | **PGFI Series**

40, 50 & 60 Amp Portable Series (Cord) ELCI

INTRODUCTION

The LineGard™ 40, 50 and 60 Amp Portable Series is an industrial grade ground fault interrupter device designed and manufactured by North Shore Safety, Ltd., a leader in innovated safety products. These devices are designed for industrial and trade applications such as welders, pumps, motors and generators and come standard with selectable key switching for fault level threshold, power on and reset type (automatic vs. manual) settings.

As configured the device has three fault threshold settings of 6mA, 10mA and 30mA, with all engineered trip times of 25mS or less. These units come standard with a 6' primary cord and a 6' secondary cord length with flying leads for field configuring. Integrated NEMA or IEC 309 wiring devices are also available as factory customs. The enclosure is configured with floor mount feet but is additionally supplied with wall or surface mounted feet for more permanent installations. All units are MADE IN THE USA and are UL 1053 Compliant.

FEATURES

- Power and fault status indicators
- Double insulated user interface
- UL1053 compliant
- Chemical and UV resistant enclosure
- 40, 50 and 60 amp configurations in 1Ø 120 VAC, 1Ø 240 VAC, 1Ø 208 VAC, 1Ø 277 VAC, 120/240 VAC, 3Ø 240 VAC, 3Ø 208 VAC, 3Ø 277 (Available with or without neutral), 3Ø 480 VAC, 3Ø 600 VAC
- Fault level key switch - max. trip threshold 6mA, 10mA, and 30mA
- Surge protection optional
- NEMA 4X wet location rated (indoor / outdoor)
- Automatic or manual reset key switch[1]

SPECIFICATIONS

Rated Supply Voltage	120 VAC 1Ø to 600 VAC 3Ø
Rated Current	40 thru 60 Amps or rating of wiring device and/or cable
Trip Level	Field selectable threshold @ 6mA, 10mA and 30mA
Phase	Single, dual and three phase
Operating Frequency	60 Hz
Reset Type[1]	Automatic or Manual
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.
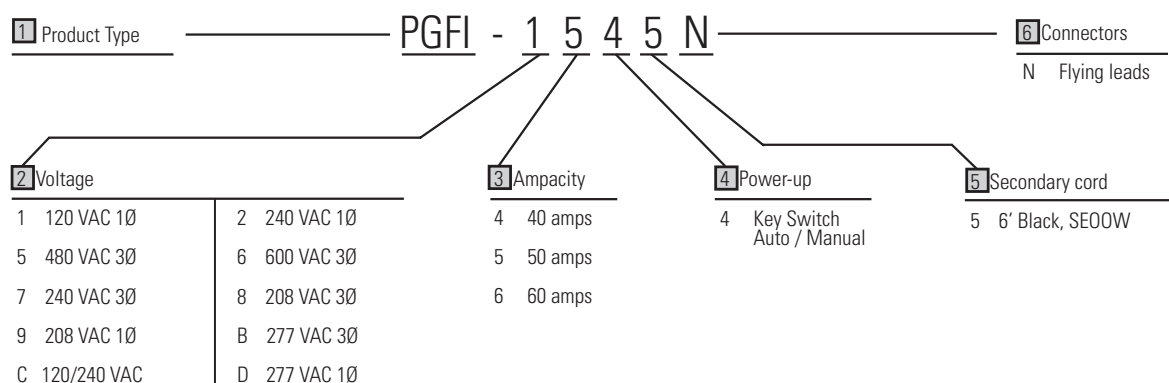
RELATED CODES

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

PGFI - 1 5 4 5 N

1 Product Type

6 Connectors
N   Flying leads

2 Voltage

1	120 VAC 1Ø	2	240 VAC 1Ø
5	480 VAC 3Ø	6	600 VAC 3Ø
7	240 VAC 3Ø	8	208 VAC 3Ø
9	208 VAC 1Ø	B	277 VAC 3Ø
C	120/240 VAC	D	277 VAC 1Ø

3 Ampacity

4   40 amps
5   50 amps
6   60 amps

4 Power-up

4   Key Switch Auto / Manual

5 Secondary cord

5   6' Black, SEOOW

Contact Sensata for custom integrated connectors