



LineGard | PGFS Series

40, 50, 60 Amp Permanent Series (Splice-In) GFCI / ELCI

INTRODUCTION

The LineGard™ 40, 50 and 60 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. These units are ideal for both new and existing circuit installations and have a unique design that offers the flexibility of splicing this device anywhere within the length of a circuit run. (Note: ELCI only protects downstream or “load side”) This convenience allows the installer to place this ELCI at an accessible location for the end user.

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 24” lead wires for electrical splicing and two 1” flexible conduit fittings for integration to 1” flexible or burial conduit. All units are MADE IN THE USA and are UL 1053 Compliant.

FEATURES

- Power and fault status indicators
- Double insulated user interface
- Chemical and UV resistant enclosure
- UL 1053 Compliant
- 40, 50 and 60 amp configurations in 1Ø 120 VAC, 1Ø 240 VAC, 120/240 VAC, 3Ø 240 VAC, 3Ø 208 VAC, 3Ø 277 VAC (Available with or without neutral), 3Ø 277/480, 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 switch¹
- Xenon strobe indication on ground fault

SPECIFICATIONS

Listing Type	UL 1053 Compliant
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
Operating Frequency	60 Hz
Reset Type¹	Field selectable automatic or manual ¹
Phase	Single, dual 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.

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

