



## *LineGard* | PGFI Series 15 Amp Portable Series GFCI / ELCI

### INTRODUCTION

The LineGard™ 15 Amp In-Line Series is a ground fault circuit interrupter designed and manufactured by North Shore Safety, Ltd., a leader in innovative safety products. The 15 amp PGFI product is rated at 120 VAC and available in either manual (safe start) or automatic reset configuration.

Standard offerings include products geared for maintenance repair organizations (MRO), original equipment manufacturers (OEM) or general portable power applications. MRO products are supplied with heavy-duty 12/3 conductor high flex (indoor/outdoor) safety yellow cable (SJTW type) capable of withstanding heavy trade or industrial use. OEM products are configured with robust 14/3 conductor (indoor/outdoor) black cable (SJTW type) for integration into trade related equipment. All products are industrial/trade grade tough and are backed by a 2 year manufacturer's warranty. These devices meet the requirements of OSHA 29 CFR 1926.404(b)(1) (ii) & OSHA 29 CFR 1926.405(a)(2)(ii)(G) and additionally meet the requirements of NEC 590.6(a) and (b).

### FEATURES

- Bright LED power indicator
- Recessed interface buttons reduce damage and nuisance tripping from rough service
- High strength polycarbonate housing
- Class A cULus 943 listed with load side connector assemblies
- NEMA 3R rated (indoor / outdoor use)
- Assembly is rated for 15 amps / 120 VAC
- Available in automatic or manual reset configurations\*
- Available with single or tri-tap plug assembly
- 2-year manufacturer's warranty

### SPECIFICATIONS

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| <b>Listing Type</b>           | cULus Listed Class A<br>UL 943<br>CSA 22.2 No. 144    |
| <b>Rated Supply Voltage</b>   | 120VAC                                                |
| <b>Rated Current</b>          | Up to 15 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),<br>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  
Vending equipment

## DECISION TABLES

| 1 Product Type — PGFI - M04 0 K Y - ST2 — 6 Cable Configuration |                                                         |                                                         |                                                         |                                                         |                                            |
|-----------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------|
| 2 Reset Type (1)                                                | 3 Cable Gauge                                           | 4 Cable Type                                            | 5 Connector                                             |                                                         |                                            |
| M04 Manual                                                      | No designation<br>No cable required<br>(field wireable) | No designation<br>No cable required<br>(field wireable) | No designation<br>No cable required<br>(field wireable) | No designation<br>No cable required<br>(field wireable) |                                            |
| A04 Automatic                                                   | 0 12 gauge, 3 conductor                                 | K SJTW (yellow)                                         | Y cULus 943 Listed                                      | ST2                                                     | Single-tap, 2' yellow cable                |
|                                                                 | 1 14 gauge (15 amp)                                     | J SJ00W (black)                                         | N No connector                                          | TT2                                                     | Tri-tap, 2' yellow cable                   |
|                                                                 | 2 16 gauge (13 amp)                                     |                                                         |                                                         | ST25                                                    | Single-tap, 25' yellow cable               |
|                                                                 | 3 18 gauge (10A)                                        |                                                         |                                                         | TT25                                                    | Tri-tap, 25' yellow cable                  |
|                                                                 |                                                         |                                                         |                                                         | ST50                                                    | Single tap, 50' yellow cable               |
|                                                                 |                                                         |                                                         |                                                         | FL                                                      | Flying leads, specify cable length in feet |

\*Note: 1. Manual configuration should be specified if automatic power-up, after power restoration of circuit power, could create an unsafe condition.  
2. Integrated or replacement cable must be indoor/outdoor 3-conductor cable of type ST, SJT, SE, SJE, SO or SJO  
3. Custom cord sets are available. Please consult Airpax for other options

Single Tap (SJTW)



Tri-Tap (SJTW)





## *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<br>UL 943<br>CSA 22.2 No. 144        |
| <b>Rated Supply Voltage</b>                                                                                                                                                                                                                                    | 120 VAC, 240 VAC, 208 VAC,<br>277 VAC (UL 1053 compliant) |
| <b>Rated Current</b>                                                                                                                                                                                                                                           | Up to 20 Amps or rating of wiring device<br>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.<br><br>2. Integrated or replacement cable must be indoor/outdoor 3-conductor cable of type ST, SJT, SE, SJE, SO or SJO |                                                           |

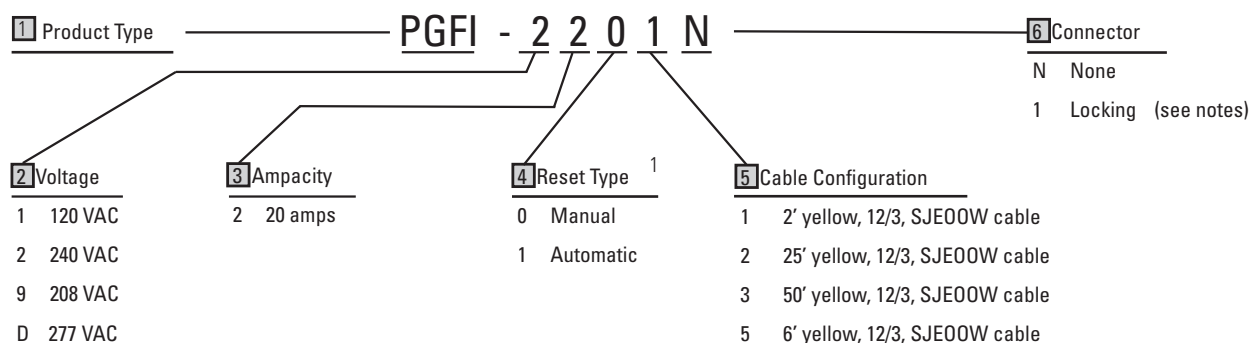
## RELATED CODES

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Confined Space</b>                 | OSHA 29 CFR 1926.404 (b)(1)(ii),<br>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)





## *LineGard* | PGFI Series 30 Amp Portable Series (Cord) GFCI / ELCI

### INTRODUCTION

The LineGard™ 30 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.

Available with an operating voltage of 120 VAC, 208 VAC, 240 VAC or 277 VAC (UL 1053 compliant), this product can be integrated during after-market equipment upgrades or used as a stand-alone portable cordset. All units are MADE IN THE USA and are listed per UL 943 and CSA 22.2 No.144. Note that any power cord integrated with this GFCI becomes OSHA compliant for portable power usage in confined space: OSHA 29 CFR 1926.404 (b)(1)(ii) and OSHA 29 CFR 1926.405 (a)(2)(ii)(G). Additionally, these devices meet NEC requirement 590.6 (a) and (b).

### 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, 3-wire configurations in 120VAC, 208 VAC, 240 VAC or 277 VAC (UL 1053)
- NEMA 4X and 6P wet location rated (indoor / outdoor)
- Available in automatic or manual reset configurations\*

### SPECIFICATIONS

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| <b>Listing Type</b>                            | cULus Listed Class A<br>UL 943<br>CSA 22.2 No. 144        |
| <b>Rated Supply Voltage</b>                    | 120 VAC, 240 VAC, 208 VAC,<br>277 VAC (UL 1053 compliant) |
| <b>Rated Current</b>                           | Up to 30 Amps or rating of wiring<br>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>Response Time</b>                           | 25mS max                                                  |
| <b>Operating Temperature</b>                   | -35°C to 66°C                                             |
| <b>Operating Voltage Range</b>                 | 85% to 110% of rated VAC                                  |
| <b>Let-Go Voltage</b>                          | 60% of supply voltage                                     |
| <b>Open Neutral Protection<sup>2</sup></b>     | Trips upon loss of neutral                                |
| <b>Grounded Neutral Protection<sup>2</sup></b> | Trips if ground and neutral touch<br>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

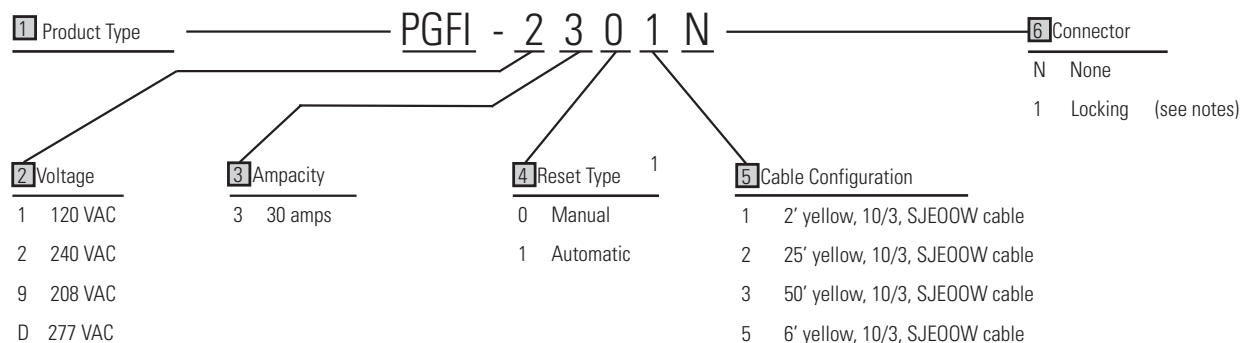
## RELATED CODES

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Confined Space</b>                 | OSHA 29 CFR 1926.404 (b)(1)(ii),<br>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 30 Amps.  
3. Custom cord sets are available. Please consult Airpax for other options

NEMA and IEC 309 Connectors available





## *LineGard* | PGFI Series 30 Amp Multi-Phase Portable Series (Cord) GFCI / ELCI

### INTRODUCTION

The LineGard™ 30 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.

Available with an operating voltage of 120/240 VAC, 3Ø 120/208 VAC, 3Ø 240 VAC (certified to CSA 22.2 only) or 3Ø 208 VAC, 3Ø 277 VAC (UL 1053 compliant). This product can be integrated during after-market equipment upgrades or used as a stand-alone portable cordset. All units are MADE IN THE USA and are listed per UL 943 and CSA 22.2 No.144. Note that any power cord integrated with this GFCI becomes OSHA compliant for portable power usage in confined space: OSHA 29 CFR 1926.404 (b)(1)(ii) and OSHA 29 CFR 1926.405 (a)(2)(ii)(G). Additionally, these devices meet NEC requirement 590.6 (a) and (b).

### 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\*

### SPECIFICATIONS

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

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



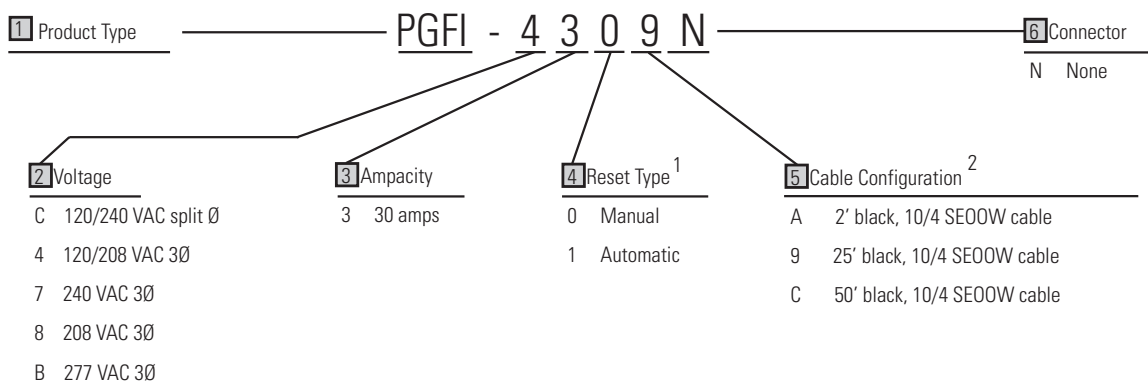
## RELATED CODES

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Confined Space</b>                 | OSHA 29 CFR 1926.404 (b)(1)(ii),<br>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. 120/208 VAC 3Ø configurations use 10/5 SE00W cable

Flying Leads (SE00W)







## *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<sup>1</sup>

### SPECIFICATIONS

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| <b>Rated Supply Voltage</b>        | 120 VAC 1Ø to 600 VAC 3Ø                                |
| <b>Rated Current</b>               | 40 thru 60 Amps or rating of wiring device and/or cable |
| <b>Trip Level</b>                  | Field selectable threshold @ 6mA, 10mA and 30mA         |
| <b>Phase</b>                       | Single, dual and three phase                            |
| <b>Operating Frequency</b>         | 60 Hz                                                   |
| <b>Reset Type<sup>1</sup></b>      | Automatic or Manual                                     |
| <b>Response Time</b>               | 25mS max                                                |
| <b>Operating Temperature</b>       | -35°C to 66°C                                           |
| <b>Operating Voltage Range</b>     | 85% to 110% of rated VAC                                |
| <b>Let-Go Voltage</b>              | 60% of supply voltage                                   |
| <b>Open Neutral Protection</b>     | Trips upon loss of neutral                              |
| <b>Grounded Neutral Protection</b> | 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.

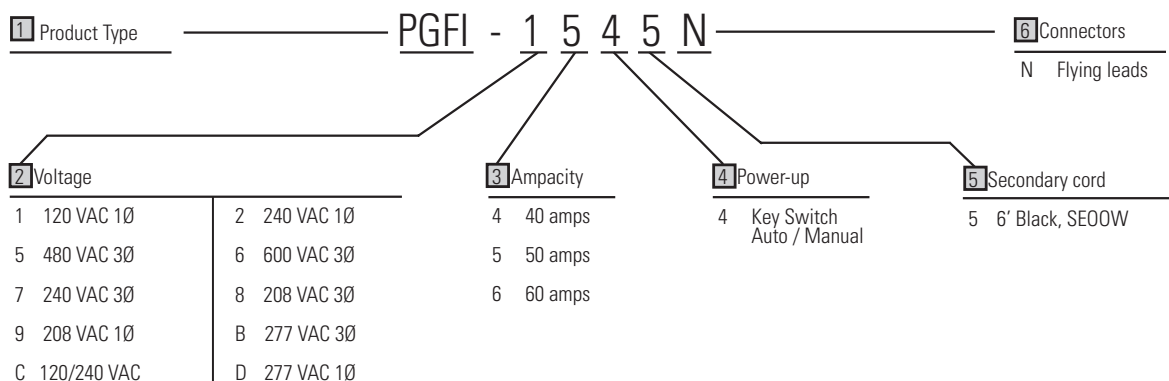
## RELATED CODES

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Confined Space</b>                 | OSHA 29 CFR 1926.404 (b)(1)(ii),<br>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



Contact Sensata for custom integrated connectors

