# Surge Protection Device - Surge Protective Device, 4-Mode, 347/600 VAC 3Ph Y, Type 1, Surge Current Rating 50kA

## Item L5F13Y3DG1

## PRODUCT DESCRIPTION

Intermatic PANELGUARD® Surge Protective Devices are designed to react quickly and eliminate surges providing optimal protection to downstream equipment. PANELGUARD Industrial/Commercial-grade series are Parallel Connected Surge Protective Devices designed to protect all types of loads fed from individual disconnects, sub-panels, distribution panels and service entrance locations.

## FEATURES

► Type 1 surge protection
► Optional audible alarm and dry relay contacts
► 4 Modes of protection
► NEMA 4X enclosure for indoor or outdoor installation
► Individually integrated disconnect TPMOV surge protection technology
► Blue LED protection status indicator, and red LED service indicator
► UL Listed to ANSI/UL 1449 4th edition

## APPLICATIONS

► Distribution Panel
► Service Entrance

## TECHNICAL DATA

### General

| | |
|---|---|
| Model Number | L5F13Y3DG1 |
| Description | Surge Protective Device, 4-Mode, 347/600 VAC 3Ph Y, Type 1, Surge Current Rating 50kA |
| UPC Code | 078275151819 |
| Brand | Intermatic |
| Country of Origin (Intermatic) | U.S.A. |
| Warranty Period | 5-Year limited |

### Electrical Specifications

| | |
|---|---|
| Modes of Protection | 4 |
| Short Circuit Current Rating | 200 kA |
| Nominal Discharge Current | 20 kA |
| Maximum Surge Current Rating Per Phase | 50 kA |
| Maximum Surge Current Rating Per Mode | 50 kA |
| Surge Protection Technology | Individually integrated thermal disconnect technology TPMOV |
| Maximum Continuous Operating Voltage (L-G) | 420 |
| Maximum Continuous Operating Voltage (L-L) | 800 |
| Maximum Continuous Operating Voltage (L-N) | 420 |
| Maximum Continuous Operating Voltage (N-G) | 420 |
| Voltage Protection Rating (L-G) | 3000 |
| Voltage Protection Rating (L-L) | 3000 |
| Voltage Protection Rating (L-N) | 1500 |
| Voltage Protection Rating (N-G) | 1500 |
| Voltage | 347/600 VAC 3-Phase Wye |

### Control Specifications

Technical specifications and other information are subject to change without notice. Images can vary from original.

© 09/26/2023     1/3

| | |
|---|---|
| Surge Protection Type | 1 |
| Surge Protection LED Indicator | Yes |

## Mechanical Specifications

| | |
|---|---|
| Enclosure Type | NEMA Type 4X |

## Dimensions

| | |
|---|---|
| Product Dimensions (H x W x D) in | 6.46 x 4.81 x 3.54 in |
| Wire Lead Length (in) | 18" |
| Wire Size Max | #10 AWG |
| Conduit Size | 3/4" |

## Material Specifications

| | |
|---|---|
| Color | Gray |

## Diagnostics Monitoring

| | |
|---|---|
| Diagnostics Indicator | Blue LED Protection Status Indicator; Red LED Service Indicator |

## Benefits

| | |
|---|---|
| Filter | No Filter |

## Packaging

| | |
|---|---|
| Shipping Weight (lbs) | 0.5 |
| Unit Carton Dimensions (H x W x L) in | 5.375 x 5.375 x 8.625 in |
| Product Weight (kg) | 0.23 |
| Product Weight (lbs) | 0.5 |

## Environmental Specifications

| | |
|---|---|
| Temperature (operation) | -40 °F to 176 °F / (-40 °C to 80 °C) |

## Standards and Certifications

| | |
|---|---|
| UL Certification | UL |
| CSA Certification | CSA C22.2 No. 269.1-14 (VZCA, VZCA7) |
| Other Certifications and Compatibilities | 2020 National Electric Code, Article 242 (previously NEC, Art. 285), 700.10 & 708.20; ANSI/IEEE C62.72-2016, ANSI/IEEE C62.41.1, C62.41.2-2002; C62.45-2002, ANSI/IEEE C62.62-2010 environments: Categories: A, B & C |
| UL Standard | Ansi/UL 1449 4th Edition |
| California Proposition 65 | Lead |
| RoHS Certification | Yes |

## DRAWINGS AND DIAGRAMS

1.05"
0.20" THRU
4.72"
5.36"
3.15"
4.81"

6.36"
3.54"