

**Surge Protection Device** - Surge Protective Device, 4-Mode, 277/480 VAC 3Ph Y, Type 1, Surge Current Rating 50kA

Item L5F13Y2DG1



**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 5th Edition

**APPLICATIONS**

- ▶ Distribution Panel
- ▶ Service Entrance

**TECHNICAL DATA**

| General                                    |                                                                                       |
|--------------------------------------------|---------------------------------------------------------------------------------------|
| Model Number                               | L5F13Y2DG1                                                                            |
| Description                                | Surge Protective Device, 4-Mode, 277/480 VAC 3Ph Y, Type 1, Surge Current Rating 50kA |
| UPC Code                                   | 078275151772                                                                          |
| Brand                                      | Intermatic                                                                            |
| Country of Origin (Intermatic)             | CHINA                                                                                 |
| 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) | 320                                                                                   |
| Maximum Continuous Operating Voltage (L-L) | 640                                                                                   |
| Maximum Continuous Operating Voltage (L-N) | 320                                                                                   |
| Maximum Continuous Operating Voltage (N-G) | 320                                                                                   |
| Voltage Protection Rating (L-G)            | 2500                                                                                  |
| Voltage Protection Rating (L-L)            | 2500                                                                                  |
| Voltage Protection Rating (L-N)            | 1200                                                                                  |
| Voltage Protection Rating (N-G)            | 1200                                                                                  |
| Voltage                                    | 277/480 VAC 3-Phase Wye                                                               |



| Control Specifications                   |                                                                                                                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                     |
| Packaging                                |                                                                                                                                                                                                                                     |
| Shipping Weight (lbs)                    | 0.5                                                                                                                                                                                                                                 |
| Product Weight (kg)                      | 0.23                                                                                                                                                                                                                                |
| Unit Carton Dimensions (H x W x L) in    | 5.375 x 5.375 x 8.625 in                                                                                                                                                                                                            |
| Product Weight (lbs)                     | 0.5                                                                                                                                                                                                                                 |
| Environmental Specifications             |                                                                                                                                                                                                                                     |
| Temperature (operation)                  | -40 °F to 176 °F / (-40 °C to 80 °C)                                                                                                                                                                                                |
| Filter                                   | No Filter                                                                                                                                                                                                                           |
| Standards and Certifications             |                                                                                                                                                                                                                                     |
| UL Certification                         | cULus                                                                                                                                                                                                                               |
| 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; Green Energy |
| UL Standard                              | ANSI/UL 1449 5th Edition                                                                                                                                                                                                            |
| California Proposition 65                | Lead                                                                                                                                                                                                                                |
| RoHS Certification                       | Y                                                                                                                                                                                                                                   |