

## Surge Protection Device - Surge Protective Device, 4-Mode, 277/480 VAC 3Ph Y, Type 2, EMI/RFI Filter, Audible Alarm, Form C Contact, Surge Current Rating 100kA

Item L10F23Y2DG2



### 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 2 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
- ▶ Optional advanced electrical noise filter (UL 1283)
- ▶ 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                   | L10F23Y2DG2   |
| Description                    | Surge Protective Device, 4-Mode, 277/480 VAC 3Ph Y, Type 2, EMI/RFI Filter, Audible Alarm, Form C Contact, Surge Current Rating 100kA |
| UPC Code                       | 078275151987  |
| 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     | 100 kA   |
| Maximum Surge Current Rating Per Mode      | 100 kA   |
| Surge Protection Technology                | Individually integrated thermal disconnect technology TPMOV            |
| AC Sinewave Tracking (EMI/RFI) Level       | Sinewave tracking (EMI/RFI) level is up to 54 dB from 2 kHz to 100 MHz |
| 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          | 2   |
| Surge Protection LED Indicator | Yes |

#### Mechanical Specifications

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

#### Dimensions

|                                   |                        |
|-----------------------------------|------------------------|
| Product Dimensions (H x W x D) in | 10.59 x 5.25 x 3.29 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; Audible Alarm Indicator; Form C Dry Relay Contacts |
|-----------------------|---|

#### Packaging

|                                       |                           |
|---------------------------------------|---------------------------|
| Shipping Weight (lbs)                 | 0.6                       |
| Product Weight (kg)                   | 0.27                      |
| Unit Carton Dimensions (H x W x L) in | 4.375 x 6.375 x 12.625 in |
| Product Weight (lbs)                  | 0.6                       |

#### Environmental Specifications

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

#### Standards and Certifications

|  |   |
|--|---|
| UL Certification                         | ANSI/UL 1283; 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   |