

## Surge Protection Device - Surge Protective Device, 4-Mode, 440/480 VAC 3Ph High Leg Delta, Type 2, EMI/RFI Filter, Surge Current Rating 100kA

Item L10F23N4DG1



### 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

### APPLICATIONS

- ▶ Distribution Panel
- ▶ Service Entrance

### TECHNICAL DATA

General	
Model Number	L10F23N4DG1
Description	Surge Protective Device, 4-Mode, 440/480 VAC 3Ph High Leg Delta, Type 2, EMI/RFI Filter, Surge Current Rating 100kA
UPC Code	078275151895
Brand	Intermatic
Country of Origin (Intermatic)	U.S.A.
Warranty Period	5-Year limited
Surge Protection Type	2

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)	1800
Maximum Continuous Operating Voltage (L-L)	552
Voltage Protection Rating (L-G)	1800
Voltage Protection Rating (L-L)	4000
Voltage	440/480 VAC 3-Phase High Leg Delta

Control Specifications	
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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

Product Weight (kg) 0.27

Product Weight (lbs) 0.6

### Diagnostics Monitoring

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

### Benefits

Filter EMI/RFI Filter

### Packaging

Shipping Weight (lbs) 0.6

Unit Carton Dimensions (H x W x L) in 4.375 x 6.375 x 12.625 in

### Environmental Specifications

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

### Standards and Certifications

UL Certification ANSI/UL 1283; ANSI/UL 1449 4th Edition

CSA Certification CSA C22.2 No. 269.2-13, and No. 8-13 (VZCA, VZCA7, FOKY, KOKY7)

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

California Proposition 65 Lead

RoHS Certification Yes

**DRAWINGS AND DIAGRAMS**

