

Surge Protection Device - Surge Protective Device, 4-Mode, 120-240 VAC 1 Ph, Type 2, EMI/RFI Filter, Surge Current Rating 50kA

Item L5F21S1DG1



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 | L5F21S1DG1 |
| Description | Surge Protective Device, 4-Mode, 120-240 VAC 1 Ph, Type 2, EMI/RFI Filter, Surge Current Rating 50kA |
| UPC Code | 078275151697 |
| Brand | Intermatic |
| Country of Origin (Intermatic) | MEXICO |
| 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 |
| 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) | 150 |
| Maximum Continuous Operating Voltage (L-L) | 300 |
| Maximum Continuous Operating Voltage (L-N) | 150 |
| Maximum Continuous Operating Voltage (N-G) | 150 |
| Voltage Protection Rating (L-G) | 1200 |
| Voltage Protection Rating (L-L) | 1200 |
| Voltage Protection Rating (L-N) | 700 |
| Voltage Protection Rating (N-G) | 600 |

| | |
|---------|--------------------------|
| Voltage | 120/240 VAC Single-Phase |
|---------|--------------------------|

Control Specifications

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|--------------------------------|-----|
| Surge Protection Type | 2 |
| Surge Protection LED Indicator | Yes |

Mechanical Specifications

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|----------------|--------------|
| 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

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|-------|------|
| Color | Gray |
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Diagnostics Monitoring

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

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|---------------------------------------|--------------------------|
| 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 (lbs) | 0.5 |
| Product Weight (kg) | 0.23 |

Environmental Specifications

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