

Surge Protection Device - Surge Protective Device, 7-Mode, 277/480 VAC 3Ph Y, Type 1, Audible Alarm, Form C Contact, Surge Current Rating 100kA

Item H10S13Y2DG2



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
- ▶ 7 Modes of protection
- ▶ NEMA 4X enclosure for indoor or outdoor installation
- ▶ Individually integrated disconnect TPMOV surge protection technology
- ▶ Blue LED status indicator per phase, red LED service indicator
- ▶ UL Listed to ANSI/UL 1449 5th Edition

APPLICATIONS

- ▶ Distribution Panel
- ▶ Service Entrance

TECHNICAL DATA

| General | |
|--------------------------------|---|
| Model Number | H10S13Y2DG2 |
| Description | Surge Protective Device, 7-Mode, 277/480 VAC 3Ph Y, Type 1, Audible Alarm, Form C Contact, Surge Current Rating 100kA |
| UPC Code | 078275152120 |
| Brand | Intermatic |
| Country of Origin (Intermatic) | U.S.A. |
| Warranty Period | 10-Year limited |

| Electrical Specifications | |
|--|---|
| Modes of Protection | 7 |
| 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 | 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) | 1200 |
| Voltage Protection Rating (L-L) | 2000 |
| 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 | 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

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

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| Diagnostics Indicator | Blue LED Status Indicator Per Phase; Red LED Service Indicator; Audible Alarm Indicator; Form C Dry Relay Contacts |
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Benefits

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| Filter | No Filter |
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Packaging

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

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

Standards and Certifications

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|--|---|
| 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 |