

## Surge Protection Device - Surge Protective Device, 7-Mode, 120/208 VAC 3Ph Y, Type 2, EMI/RFI Filter, Surge Current Rating 100kA

Item H10S23Y1DG1



### 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
- 7 Modes of protection
- NFPA 780, UL 96A Lightning system protection compliant
- NEMA 4X enclosure for indoor or outdoor installation
- Individually integrated disconnect TPMOV surge protection technology
- Optional advanced electrical noise filter (UL 1283)
- 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	H10S23Y1DG1
Description	Surge Protective Device, 7-Mode, 120/208 VAC 3Ph Y, Type 2, EMI/RFI Filter, Surge Current Rating 100kA
UPC Code	078275152090
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
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)	600
Voltage Protection Rating (L-L)	1000

Voltage Protection Rating (L-N)	700
Voltage Protection Rating (N-G)	700
Voltage	120/208 VAC 3-Phase Wye
<b>Control Specifications</b>	
Surge Protection Type	2
Surge Protection LED Indicator	Yes
<b>Mechanical Specifications</b>	
Enclosure Type	NEMA Type 4X
<b>Dimensions</b>	
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"
<b>Material Specifications</b>	
Color	Gray
<b>Diagnostics Monitoring</b>	
Diagnostics Indicator	Blue LED Status Indicator Per Phase; Red LED Service Indicator
<b>Packaging</b>	
Shipping Weight (lbs)	0.6
Unit Carton Dimensions (H x W x L) in	4.375 x 6.375 x 12.625 in
Product Weight (lbs)	0.6
Product Weight (kg)	0.27
<b>Environmental Specifications</b>	
Temperature (operation)	-40 °F to 176 °F / (-40 °C to 80 °C)
Filter	EMI/RFI Filter
<b>Standards and Certifications</b>	
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; NFPA 780 & UL 96A Lightning protection systems; Green Energy
UL Standard	ANSI/UL 1449 5th Edition
California Proposition 65	Lead
RoHS Certification	Y