Surge Protection Device - Surge Protective Device, 7-Mode, 277/480 VAC 3Ph Y, Type 2, EMI/RFI Filter, Surge Current Rating 100kA

Item H10S23Y2DG1

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

APPLICATIONS

- Distribution Panel
- Service Entrance

TECHNICAL DATA

General	
Model Number	H10S23Y2DG1
Description	Surge Protective Device, 7-Mode, 277/480 VAC 3Ph Y, Type 2, EMI/RFI Filter, Surge Current Rating 100kA
UPC Code	078275152137
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)	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)	2500
Voltage Protection Rating (L-N)	1200

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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 Status Indicator Per Phase; 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
Product Weight (kg)	0.27
Product Weight (lbs)	0.6

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; NFPA 780 & UL 96A Lightning protection systems
California Proposition 65	Lead
RoHS Certification	Yes

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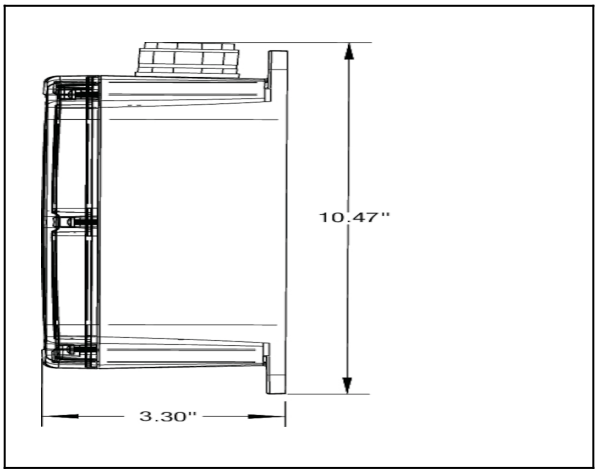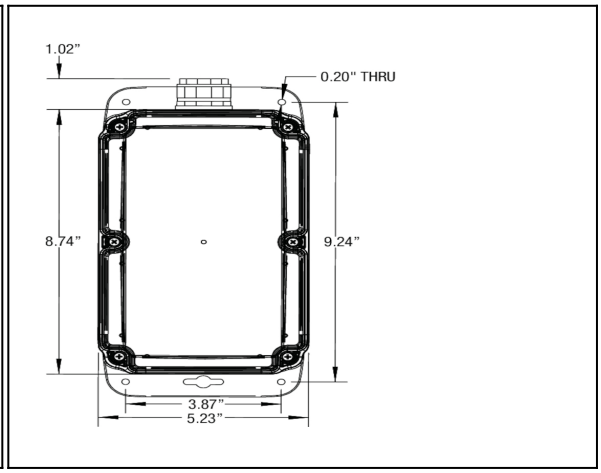
DRAWINGS AND DIAGRAMS