INTERMATIC®

Surge Protection Device - Surge Protective Device, 7-Mode, 120/240 VAC 3Ph High Leg Delta, Type 1, Surge Current Rating 100kA

Item H10S13D1DG1

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
► NFPA 780, UL 96A Lightning system protection compliant
► 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

APPLICATIONS

► Distribution Panel
► Service Entrance

TECHNICAL DATA

General	
Model Number	H10S13D1DG1
Description	Surge Protective Device, 7-Mode, 120/240 VAC 3Ph High Leg Delta, Type 1, Surge Current Rating 100kA
UPC Code	078275152038
Brand	Intermatic
Country of Origin (Intermatic)	U.S.A.
Warranty Period	10-Year limited
Surge Protection Type	1

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 HG	300
Maximum Continuous Operating Voltage HL	300
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 HG	1200
Voltage Protection Rating HL	1800

Voltage Protection Rating HN	1200
Voltage Protection Rating (L-G)	700
Voltage Protection Rating (L-L)	1000
Voltage Protection Rating (L-N)	700
Voltage Protection Rating (N-G)	700
Voltage	120/240 VAC 3-Phase High Leg Delta

Control Specifications

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 Status Indicator Per Phase; Red LED Service Indicator

Benefits

Filter	No Filter
Maximum Continuous Operating Voltage HN	300

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 1449 4th Edition
CSA Certification	CSA C22.2 No. 269.1-14 (VZCA, VZCA7)
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

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