INTERMATIC®

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

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)	U.S.A.
Warranty Period	5-Year limited
Surge Protection Type	2

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

Surge Protection LED Indicator	Yes

Mechanical Specifications

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

Color	Gray
Product Weight (kg)	0.23
Product Weight (lbs)	0.5

Diagnostics Monitoring

Diagnostics Indicator	Blue LED Protection Status Indicator; Red LED Service Indicator

Benefits

Filter	EMI/RFI Filter

Packaging

Shipping Weight (lbs)	0.5
Unit Carton Dimensions (H x W x L) in	5.375 x 5.375 x 8.625 in

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
California Proposition 65	Lead
RoHS Certification	Yes

Technical specifications and other information are subject to change without notice. Images can vary from original.

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DRAWINGS AND DIAGRAMS