

Features

- Matched high energy MOV
- Internal thermal disconnects
- Status indicator
- Replaceable modular design
- DIN Rail compatible base
- Remote signalling capability
- Standards compliance: CE

- RoHS compliant*

Applications

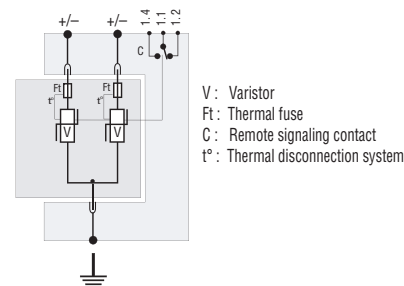
- DC power supplies

1320 Series DC Power Surge Protective Device

General Information

The Bourns® Model 1320 Series is a DC power Surge Protective Device (SPD) designed to protect power systems from damage due to lightning and power surges. The Model 1320 Series is a DIN Rail mountable SPD targeted for systems ranging from 48 to 110 Vdc.

Electrical Diagram



Electrical Characteristics

Characteristic	Model No.		
	1320-S-48	1320-S-75	1320-S-110
Network Voltage (Un)	48 Vdc	75 Vdc	110 Vdc
Max. Operating Voltage (Uc)	65 Vdc	100 Vdc	150 Vdc
Nominal Discharge Current (In)	15 kA	20 kA	20 kA
Max. Discharge Current (Imax) 8/20 μs max.	30 kA	40 kA	40 kA
Protection Level @ In (Up)	300 V	390 V	500 V
Protective Fuses, if applicable	20 A	50 A	50 A
Thermal Disconnect	Internal		

General Characteristics

Characteristic	Model No.		
	1320-S-48	1320-S-75	1320-S-110
Connection	By Screw Terminal, Cross-section 1.5-10 mm ² (Active Wire) and 2.5-25 mm ² (Grounding Wire)		
Disconnection Indicator	2 Mechanical Indicators		
Mounting	DIN Rail, 35 mm Symmetrical		
Remote Signal Indicator	DS2xOS-xxDC) by Changeover Contact		
Enclosure Material	Thermoplastic UL 94V0		
Weight	128 g/unit	128 g/unit	130 g/unit

Environmental Characteristics

Characteristic	Model No.		
	1320-S-48	1320-S-75	1320-S-110
Operating Temperature	-40 °C to +85 °C		
Environmental Rating	IP 20		

Standards Compliance

IEC61643-1 - InternationalLow Voltage SPD - Test Class II
 NF EN 61643-11 - FranceLow Voltage SPD - Test Class II
 UL1449 3rd Edition - USA Type 4, Type 2 Location
 UL1449 3rd Edition - Canada Type 4, Type 2 Location
 CSA C22.2 No. 8-M1986 Class 9091 32, Class 9091 92

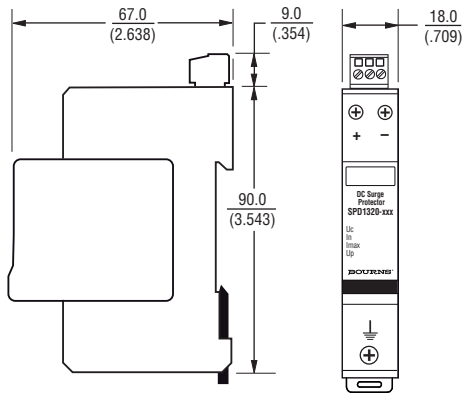
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
 Users should verify actual device performance in their specific applications.

1320 Series DC Power Surge Protective Device

BOURNS®

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

How To Order

Series 1320 - S - xxx
Remote Signalling Code S = Remote Signalling
DC Operating Voltage xxx
48 = 48 V
75 = 75 V
110 = 110 V

BOURNS®

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