

Features

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

■ RoHS compliant*

Applications

■ DC power systems

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, transients and power surges. The Model 1320 Series is a DIN Rail mountable SPD targeted for systems ranging from 12 to 110 VDC.

Additional Information

Click these links for more information:











TECHNICAL INVENTORY SAMPLES **LIBRARY**

Electrical Diagram

Electrical Characteristics

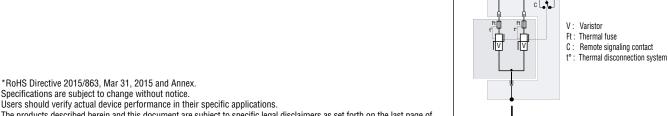
Characteristic	Model No.				
	1320-S-12	1320-S-24	1320-S-48	1320-S-75	1320-S-110
Network Voltage (Un)	12 VDC	24 VDC	48 VDC	75 VDC	110 VDC
Max. Operating Voltage (Uc)	24 VDC	38 VDC	65 VDC	100 VDC	150 VDC
Nominal Discharge Current (In)	10 kA	10 kA	15 kA	20 kA	20 kA
Max. Discharge Current (I _{max}) 8/20 µs max.	20 kA	20 kA	30 kA	40 kA	40 kA
Protection Level @ In (Up)	250 V	250 V	300 V	390 V	500 V
Protective Fuses or Circuit Breakers, if applicable	20 A	20 A	20 A	50 A	50 A
Thermal Disconnector	Internal				

General Characteristics

Characteristic	Model No.				
	1320-S-12	1320-S-24	1320-S-48	1320-S-75	1320-S-110
Connection	By Screw Terminal, Cross-section 1.5-10 mm² (Active Wire) and 2.5-25 mm² (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	128 g/unit	128 g/unit	130 g/unit

Environmental Characteristics

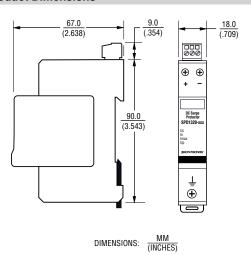
Characteristic	Model No.				
Characteristic	1320-S-12	1320-S-24	1320-S-48	1320-S-75	1320-S-110
Operating Temperature	-40 °C to +85 °C				
Environmental Rating	IP 20				



1320 Series DC Power Surge Protective Device

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Product Dimensions



Standards Compliance

How To Order	
	1320 - S - xxx
Series —	
Remote Signalling Code — S = Remote Signalling	
DC Operating Voltage —— 12 = 12 V 24 = 24 V 48 = 48 V 75 = 75 V 110 = 110 V	

Agency Recognition

Agency	Category	Agency File No.	
c '911 ° us	UL1449 - 5th Ed.	<u>E313168</u>	

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