

#### **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**

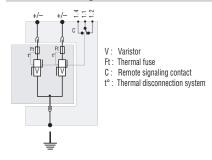
■ DC power supplies

# 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 (I <sub>max</sub> ) 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 Disconnector	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 <sup>2</sup> (Active Wire)			
Connection	and 2.5-25 mm <sup>2</sup> (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**

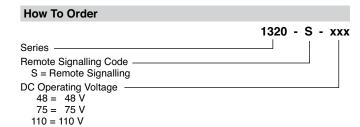
Characteristic	Model No.		
Characteristic	1320-S-48	1320-S-75	1320-S-110
Operating Temperature	-40 °C to +85 °C		
Environmental Rating		IP 20	

#### **Standards Compliance**

IEC61643-1 - International .......Low Voltage SPD - Test Class II NF EN 61643-11 - France ......Low 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

# 1320 Series DC Power Surge Protective Device

# **Product Dimensions** 18.0 (.709) (.354) 000 **(+)** 90.0 (3.543) DIMENSIONS: (INCHES)



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