



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



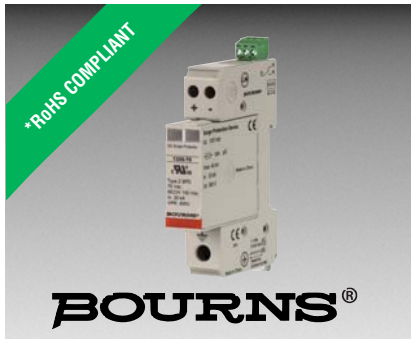
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

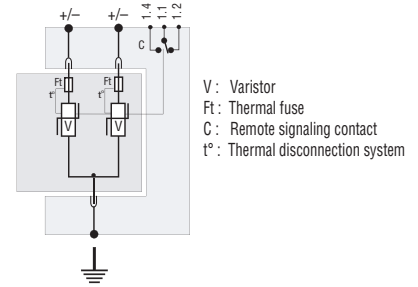
- DC power systems

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.

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 (Imax) 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 Disconnect	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 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	128 g/unit	128 g/unit	130 g/unit

Environmental Characteristics

Characteristic	Model No.				
	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				

Standards Compliance

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

IEC61643-1 - International Low Voltage SPD - Test Class II
 NF EN 61643-11 - France Low Voltage SPD - Test Class II
 UL Recognized component, UL File E153537

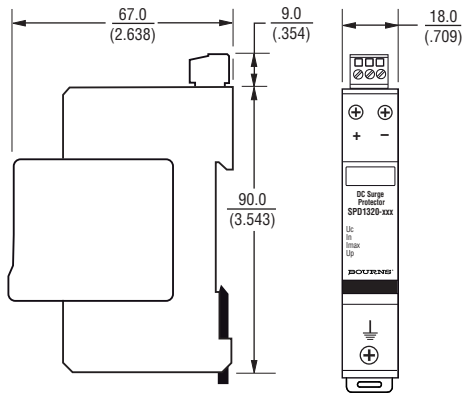
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.

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

S = Remote Signalling

DC Operating Voltage xxx

12 = 12 V
24 = 24 V
48 = 48 V
75 = 75 V
110 = 110 V

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com

REV. 01/15

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