

2-Pole, UL Type 1 DIN-Rail high SCCR surge protective devices



Catalog symbol:

- BSPMA2_S3GR

Description:

The Bussmann™ series two-pole DIN-Rail UL® Listed open Type 1 surge protective devices feature a high 200 kA SCCR. Replaceable arrester modules are mechanically coded with the base to ensure against installing an incorrect replacement. The unique module locking system fixes the module to the base, and allows it to be easily replaced without tools by simply depressing the release buttons.

Standard local visual status indication:

The module's visual indicator shows the protective status at a glance: green = good, red = replace.

Remote contact signaling:

The standard three-pole terminal remote Form C contact signaling relay has a floating changeover contact for use as a break or make contact, according to circuit concept.

Ratings:

- System volts/types
 - 120/240 Vac split-phase
 - 240/480 Vac split-phase
- Short-circuit Current Rating (SCCR) 200 kA

Agency information:

- UL Listed open Type 1, ANSI/ UL 1449 4th Edition, Guide VZCA, VZCA7
- CSA® Type 4-1 Component Assembly, C22.2 No. 269.1-14, Class 2157-27
- RoHS compliant

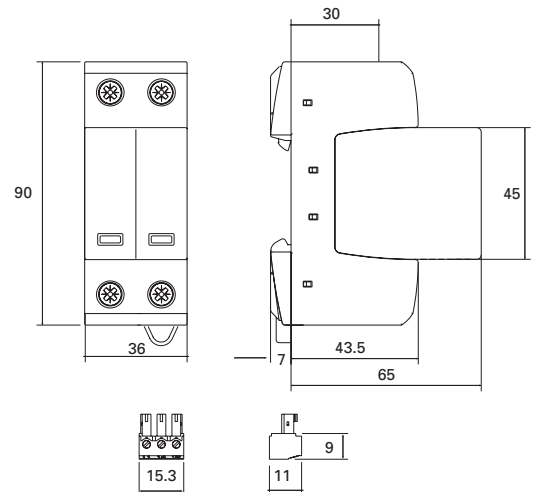
Mounting

- 35mm Din-Rail

Warranty

- Five years

Dimensions - mm



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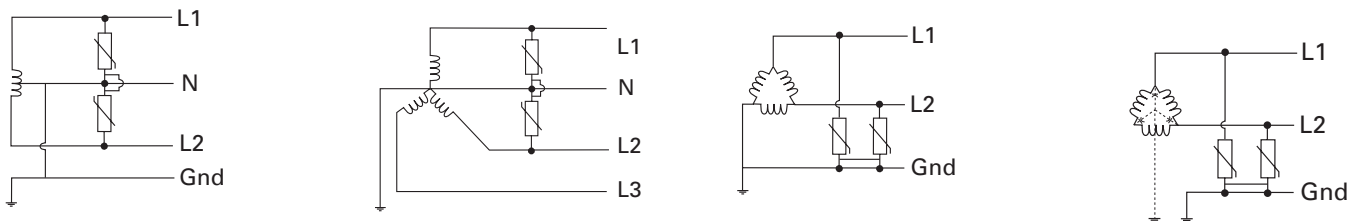
Specifications/ordering information

System voltage/type	120/240 Vac split-phase	240/480 Vac split-phase
Catalog number	BSPMA2240S3GR	BSPMA2480S3GR
Replacement module catalog number (qty.)	BPMA230UL (2)	BPMA385UL (2)
SPD class per ANSI/UL 1449 4 th Ed.	Open-Type 1 SPD	
SPD class per CSA - C22.2 No. 269.1-14	Type 4-1 Component Assembly	
Nominal system voltage (U_N) [L-G] / [L-L]	127 Vac / 254 Vac	240 Vac / 480 Vac
Nominal power frequency	50 / 60 Hz	
Max. continuous operating voltage AC (MCOV) [L-G] / [L-L]	230 Vac / 460 Vac	385 Vac / 770 Vac
Nominal discharge current (I_n) (8x20 μ s)	20 kA	
Max. discharge current (I_{max}) (8/20)	50 kA	
Voltage Protection Rating (VPR) [L-G] / [L-L]	700 V_{pk} / 1500 V_{pk}	1200 V_{pk} / 2500 V_{pk}
Short Circuit Current Rating (SCCR)	200 kA	
Operating temperature range (T_U) °F (°C)	-31 to 185 (-35 to 85)	
Operating state / fault indication	Green = good ; Red = replace	
Wire range (60/75°C Cu, solid/stranded)	2-14 AWG (2.5-25 mm ²)	
Terminal torque — lb-in (N•m)	35-45 (4-5.1)	
Mounting	35mm DIN-Rail per EN 60715	
Enclosure material	Thermoplastic, UL 94 V0	
Protection	IP20 (finger-safe)	
Capacity	2 module(s), DIN 43880	
Agency information	UL Listed, Guide VZCA, VZCA7/CSA Component Acceptance Class 2157-27, RoHS	
Weight - oz (g)	7.94 (225)	8.57 (243)

Contact signaling

Signaling type	Floating (dry), Form C (SPDT)
NEC® Circuits	NEC Class 2 circuits only
Switching capacity AC (DC)	250 V/5 A (250 V/0.1 A, 125 V/0.2 A, 75 V/0.5 A)
Wire range (60/75 °C Cu, solid/stranded)	16-22 AWG (1.5-0.34mm ²)
Terminal torque — lb-in (N•m)	1.8 (0.2)

Typical installation/system application:



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Printed in USA
Publication No. 10772 — BU-MC18006
November 2018

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