

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



Catalog symbol:

- BSPMA1_S2GR

Description:

The Bussmann™ series one-pole DIN-Rail UL® Listed open Type 1 surge protective devices feature a high 200 kA SCCR. Replaceable arrestor 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 Vac single-phase
 - 240 Vac single-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

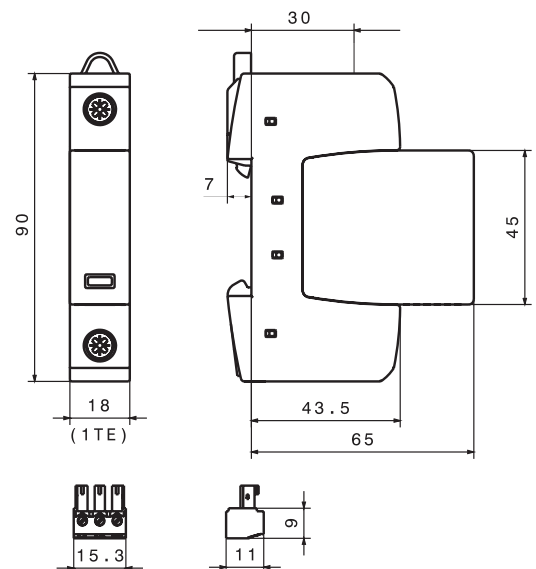
Mounting

- 35mm Din-Rail

Warranty

- Five years

Dimensions — mm

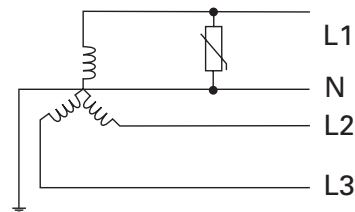
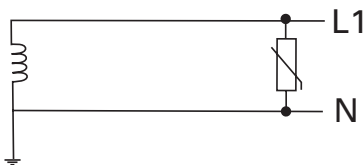


Specifications/ordering information

| | | |
|--|---|----------------------|
| System voltage/type | 120 Vac single-phase | 240 Vac single-phase |
| Catalog number | BSPMA1120S2GR | BSPMA1240S2GR |
| Replacement module catalog number (qty.) | BPMA230UL (1) | BPMA385UL (1) |
| 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-N/L-G] | 127 Vac | 277 Vac |
| Nominal power frequency | 50 / 60 Hz | |
| Max. continuous operating voltage AC (MCOV) [L-L] | 230 Vac | 385 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-L] | 700 V _{pk} | 1200 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 (2.5-35 mm ²) | |
| Terminal torque — lb-in (N•m) | 35-45 (4-5.1) | |
| Mounting | 35 mm DIN-Rail per EN 60715 | |
| Enclosure material | Thermoplastic, UL 94 V0 | |
| Protection | IP20 (finger-safe) | |
| Capacity | 1 module(s), DIN 43880 | |
| Agency information | UL Listed, Guide VZCA, VZCA7/CSA Component Acceptance Class 2157-27, RoHS | |
| Weight - oz (g) | 4.13 (117) | 4.44 (126) |

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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