

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!



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Single-pole high SCCR UL Type 2 surge protective devices for two wire systems



System volts

Specifications:

• 120Vac

replace).

concept.

- 240Vac
- 347Vac

Short-Circuit Current Rating (SCCR)

Standard local visual indication

Optional remote contact signaling

The green and red visual indicator flags show the

The three-pole terminal remote contact signaling

option has a floating changeover contact for use

as a break or make contact, according to circuit

module protective status (green = good, red =

Up to 200kA

Systems types

- · Single-phase
- 2 wire Wye

Agency information

- UL® Recognized 1449 4th Edition, Type 2 Component Assembly
- Vibration and shock tested per EN 60068-2
- CE
- RoHS compliant

Mounting

• 35mm DIN-Rail

Warranty

· Five years

Catalog symbols:

- BSPM1___S2G
- BSPM1___S2GR

Description:

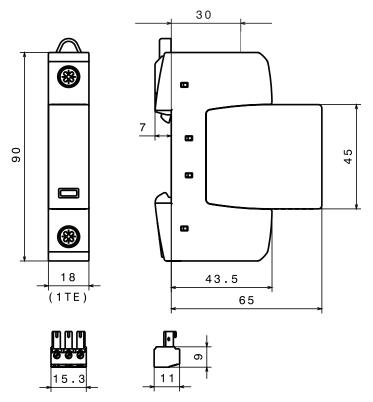
Eaton BussmannTM series single-pole UL modular surge arresters feature *easy*IDTM local visual indication and optional remote contact signaling for system monitoring.

The unique module locking system fixes the protection module to the base and it can be easily replaced without tools by simply depressing the release buttons.

Integrated mechanical coding between the base and protection module ensures against installing an incorrect replacement.

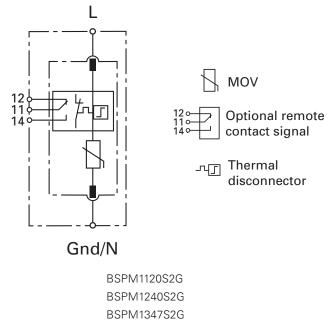


Dimensions - mm:



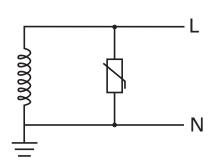
Module circuit diagrams:

Shown with optional remote contact signaling

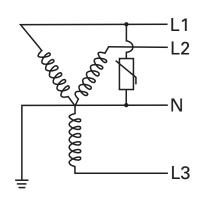


Shown with optional remote contact signaling.

Typical installation/system application:



120, 240, 347Vac 2 wire systems



120, 277, 347Vac 2 wire Wye systems

Catalog numbers for all systems: BSPM1120S2G, BSPM1240S2G, BSPM1347S2G

Ordering information:

Catalog numbers (base = modules) W/O remote signaling BSPM1120S2G BSPM1240S2G BSPM1347S2 Replacement module MOV technology BPM275UL BPM385UL BPM6000 Specifications Rated voltage 120-127Vac 240-277Vac 347V Voltage Protection Rating VPR 1kV 1.5kV 2	Nominal system voltage		120Vac	240, 277 or 240 and 277Vac	347Vac
Catalog numbers (base = modules) W/ remote signaling BSPM1120S2GR BSPM1240S2GR BSPM1347S2C Replacement module MOV technology BPM275UL BPM385UL BPM600 Specifications Sate of voltage 120-127Vac 240-277Vac 347V Voltage Protection Rating VPR 1kV 1.5kV 2 SCCR Nom. I.g. 200kA 200kA 200kA 125i Discharge current Max. I.g. 40kA 40kA 125i Response time t.g. \$25 ns \$25 ns \$25i	Max. Continuous Operating Voltage AC (MCC	OV) (V _c)	275Vac	385Vac	600Vac
Replacement module MOV technology BSPM172USZGR BSPM1734VSZGR 347V CSPM1724VSZGR 347V	Catalog numbers (base = modules)	W/O remote signaling	BSPM1120S2G	BSPM1240S2G	BSPM1347S2G
Specifications Rated voltage 120-127Vac 240-277Vac 347V Voltage Protection Rating VPR 1kV 1.5kV 125 SCCR 200kA 200kA 120kA Discharge current Nom. I. Aug. Value 40kA Response time t. T. Strain Value 25 ns 25 ns Frequency 50/60Hz 20mmber of poles 1 Number of vires/connection points 2 Wires / 2 connection points 2 Wires / 2 connection points Operating state/fault indication Green (good) / Red (replace) 4 strain Value Cross-sectional area Min. 14AWG - Cu stranded, solid or fine 4 strain Value Mounting 35mm DiN-rail per EN 60715 4 strain Value Enclosure material Thermoplastic, UL 94V0 4 strain Value Protection 1ndoor 1 lodoor Capacity 1 Mods, DIN 43880 4 strain Value Application and standard UL Type 2 Component Assembly, UL 1449, 4° Edition 4 currenty Valeranty Five years* Remote contact signaling Changeover contact <		W/ remote signaling	BSPM1120S2GR	BSPM1240S2GR	BSPM1347S2GR
Rated voltage 120-127Vac 240-277Vac 347V Voltage Protection Rating VPR 1kW 1.5kW 2 SCCR 200kA 200kA 200kA 125k Discharge current Nom. I 20kA 20kA 20kA 20kA 20kB 20kB <td>Replacement module</td> <td>MOV technology</td> <td>BPM275UL</td> <td>BPM385UL</td> <td>BPM600UL</td>	Replacement module	MOV technology	BPM275UL	BPM385UL	BPM600UL
Voltage Protection Rating VPR 1kV 1.5kV 2 SCCR 200kA 200kA 125k 125k Discharge current Nom. In Max. In	Specifications				
SCCR 200kA 200kA 125l Discharge current Nom. Inc. Max. Inc	Rated voltage		120-127Vac	240-277Vac	347Vac
Discharge current Nom. I _n Max. I _{max} 40kA Response time t _A ≥ 25 ns Frequency 50/60Hz Number of poles 1 Number of wires/connection points 2 Wires / 2 connection points Operating state/fault indication Green (good) / Red (replace) Operating state/fault indication Min 14kWg - Cu stranded, solid or fine Cross-sectional area Min 12kWg - Cu solid or stranded / 4kWg - Cu fine Ferminal torque 45 lb-in (5.1N•m) Mounting 35mm DlN-rail per EN 60715 Enclosure material Thermoplastic, UL 94V0 Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DlN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4 th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Changeover contact Synching capacity (volts/amps) C Page 250V/0.5A Do 250V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Voltage Protection Rating VPR		1kV	1.5kV	2kV
Discharge current Max. I max 40kA Response time t I Frequency 50/60Hz Number of poles 1 Number of wires/connection points 2 Wires / 2 connection points Operating state/fault indication Green (good) / Red (replace) Cross-sectional area Min. 14/WG - Cu stranded, solid or fine Terminal torque 45 lb-in (5.1 № m) Mounting 35mm DIN-rail per EN 60715 Enclosure material Thermoplastic, UL 94V0 Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DIN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Changeover contact Signaling Type Changeover contact Signaling Type Changeover contact Changeover contact 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	SCCR		200kA	200kA	125kA
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Number of wires/connection points 2 Wires / 2 connection points Operating state/fault indication Green (good) / Red (replace) Cross-sectional area Min. 14AWG - Cu stranded, solid or fine Terminal torque 45 lb-in (5.1N•m) Mounting 35mm DIN-rail per EN 60715 Enclosure material Thermoplastic, UL 94V0 Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DIN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Changeover contact Signaling Type Changeover contact Switching capacity (volts/amps) DC 250V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Frequency	50/60Hz			
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Cross-sectional area Max. 2AWG - Cu solid or stranded / 4AWG - Cu fine Terminal torque 45 lb-in (5.1N•m) Mounting 35mm DIN-rail per EN 60715 Enclosure material Thermoplastic, UL 94V0 Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DIN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Signaling Type Changeover contact Switching capacity (volts/amps) AC 250V/0.5A DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Operating state/fault indication	Green (good) / Red (replace)			
Max. 2AWG - Cu solid or stranded / 4AWG - Cu fine Terminal torque 45 lb-in (5.1N•m) Mounting 35mm DIN-rail per EN 60715 Enclosure material Thermoplastic, UL 94V0 Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DIN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Changeover contact Signaling Type Changeover contact Switching capacity (volts/amps) DC 250V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Cross-sectional area				
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Thermoplastic, UL 94V0	Terminal torque	45 lb-in (5.1N•m)			
Protection IP20 (finger-safe) Location Indoor Capacity 1 Mods, DIN 43880 Application and standard UL Type 2 Component Assembly, UL 1449, 4th Edition Agency information cURus, RoHS Compliant Warranty Five years* Remote contact signaling Changeover contact Signaling Type Changeover contact Switching capacity (volts/amps) AC 250V/0.5A DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Mounting	35mm DIN-rail per EN 60715			
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Application and standard Agency information CURus, RoHS Compliant Warranty Five years* Remote contact signaling Signaling Type Changeover contact Switching capacity (volts/amps) CONDUCTOR CONSULTANCE CONDUCTOR CONSULTANCE UL Type 2 Component Assembly, UL 1449, 4 th Edition CURus, RoHS Compliant Five years* Changeover contact AC 250V/0.5A Conductor cross-sectional area CONTS® C Max. 1.5mm²/14AWG solid/flexible	Location				
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Warranty Five years* Remote contact signaling Signaling Type Changeover contact Switching capacity (volts/amps) AC 250V/0.5A DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Application and standard				
Remote contact signaling Signaling Type Changeover contact Switching capacity (volts/amps) AC 250V/0.5A DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Agency information	cURus, RoHS Compliant			
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Switching capacity (volts/amps) AC 250V/0.5A DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Remote contact signaling				
Switching capacity (volts/amps) DC 250V/0.1A; 125V/0.2A; 75V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Signaling Type		Changeover contact		
Conductor cross-sectional area DC 250V/0.1A; 125V/0.2A; 75V/0.5A 60/75°C Max. 1.5mm²/14AWG solid/flexible	Switching capacity (volts/amps)				
		DC 250V/0.1A; 125V/0.2A; 75V/0.5A			
Ordering Information Order from catalog numbers above	Conductor cross-sectional area	60/75°C Max. 1.5mm²/14AWG solid/flexible			
	Ordering Information	Order from catalog numbers above			

 $^{{\}rm * \ See \ Eaton \ Bussmann \ SPD \ Limited Warranty \ Statement \ (3A1502) \ for \ details \ at \ www.cooperbussmann.com/surge.}$

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