

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







Remote contact signaling available

easyID™ local visual status indication

Catalog symbols:

- BSPM1___S2G
- BSPM1___S2GR

Description:

Eaton Bussmann® series single-pole UL modular surge arresters feature *easy*ID™ 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.

Standard local visual indication

The green and red visual indicator flags show the module protective status (green = good, red = replace).

Optional remote contact signaling

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

Specifications:

System volts

- 120Vac
- 240Vac
- 347Vac

Short-Circuit Current Rating (SCCR)

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

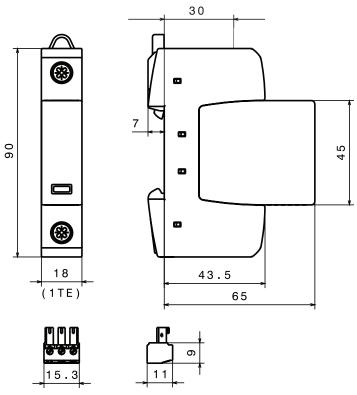
• 35mm DIN-Rail

Warranty

Five years



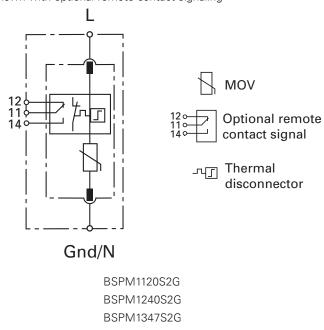
Dimensions - mm:



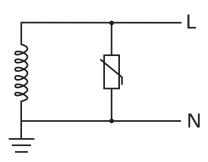
Shown with optional remote contact signaling.

Module circuit diagrams:

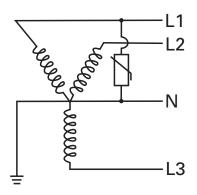
Shown with optional remote contact signaling



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 BSPM1347 Replacement module MOV technology BPM275UL BPM385UL BPM60 Specifications Rated voltage 120-127Vac 240-277Vac 347 Voltage Protection Rating VPR 1kV 1.5kV	Nominal system voltage		120Vac	240, 277 or 240 and 277Vac	347Vac	
Catalog numbers (base = modules) W/ remote signaling BSPM1120S2GR BSPM1240S2GR BSPM1347S Replacement module MOV technology BPM275UL BPM38SUL BPM60 Specifications Rated voltage 120-127Vac 240-277Vac 347 Voltage Protection Rating VPR 1kV 1.5kV SCCR 200kA 200kA 120kA Discharge current Max. I _{max} 40kA 40kA 425 ns Frequency 50/60Hz 50/60Hz <td>Max. Continuous Operating Voltage AC (MCOV)</td> <td>(V_C)</td> <td>275Vac</td> <td>385Vac</td> <td>600Vac</td>	Max. Continuous Operating Voltage AC (MCOV)	(V _C)	275Vac	385Vac	600Vac	
Replacement module	Catalog numbers (base = modules)	W/O remote signaling	BSPM1120S2G	BSPM1240S2G	BSPM1347S2G	
Specifications Rated voltage 120-127Vac 240-277Vac 347 Voltage Protection Rating VPR 1kV 1.5kV 320 SCCR 200kA 200kA 200kA 12 Discharge current Nom. I _n 20kA Max. I _{max} 40kA 40kBA 40kBA 40kB		W/ remote signaling	BSPM1120S2GR	BSPM1240S2GR	BSPM1347S2GR	
Rated voltage	Replacement module	MOV technology	BPM275UL	BPM385UL	BPM600UL	
Voltage Protection Rating VPR 1kV 1.5kV SCCR 200kA 200kA 12 Discharge current Nom. I _m 20kA Max. I _{max} 40kA 20kA 20kA Response time t _A \$25 ns \$25 ns Frequency 50/60Hz \$20 mode of the content of points \$20 mode of the content	Specifications					
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Discharge current Max. I now All Name 40kA Response time t A seponse time to A seponse time time time time time to A seponse time time time time time time time tim	SCCR		200kA	200kA	125kA	
Response time t _A \$\frac{\subseteq}{\subseteq}\$ \text{SD/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. 14AWG - Cu stranded, solid or fine 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) C250V/0.5A Conductor cross-sectional area 60/75°C Max. 1.5mm²/14AWG solid/flexible	Discharge current	_ n				
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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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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	UL Type 2 Component Assembly, UL 1449, 4th Edition				
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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	Warranty		Five years*			
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			
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		DC	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				

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

Technical Data 2149 Effective February 2016

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