

Surge Protection Made Simple™ for UL Applications

2-Pole BSP UL Series for 120/240, 120/208, 127/254, 240, 240/480, 277/480 and 480Vac Single Phase & Three Phase 2 Wire / 3 Wire Systems



Description

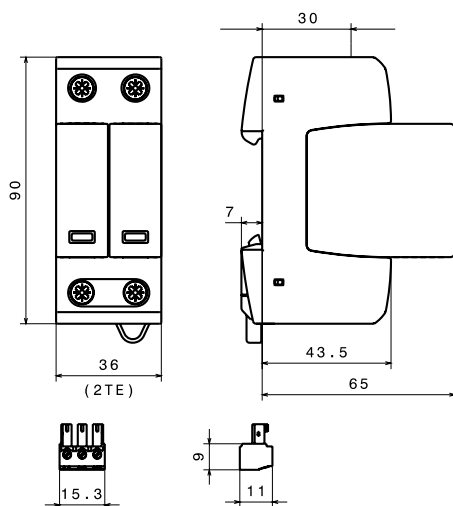
The Cooper Bussmann 2-pole UL modular surge arresters for 120/240, 120/208, 127/254, 240, 240/480, 277/480 and 480Vac (split-phase) systems feature local, *easyID™* visual indication and optional remote contact signaling. The unique module locking system fixes the protection module to the base part. Modules 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 module.

- Surge arrester according to UL 1449 3rd Edition, Type 2 Component Assembly helps meet UL 508A requirements
- Heavy-duty zinc oxide varistors for high discharge capacity
- "Thermo Dynamic Control" SPD monitoring device ensures high reliability against surge events
- Module locking system with module release button make module replacement easy without tools
- Up to 200kA Short-Circuit Current Rating (SCCR) make higher *assembly* SCCR ratings possible
- Optional remote signaling of all protection modules make status monitoring easy and accurate in any monitoring scheme
- No upstream overcurrent protection necessary to make installation easier and more economical
- Vibration and shock tested according to EN 60068-2 to withstand harsh environments

Optional Remote Signaling Contact

The remote signaling contact versions have a floating changeover contact for use as a break or make contact for easy adoption in any monitoring application.

Dimensions - mm



Shown with optional remote contact signaling



BSPM2240S3G

BSPM2480S3G



easyID™
Visual Status Indication

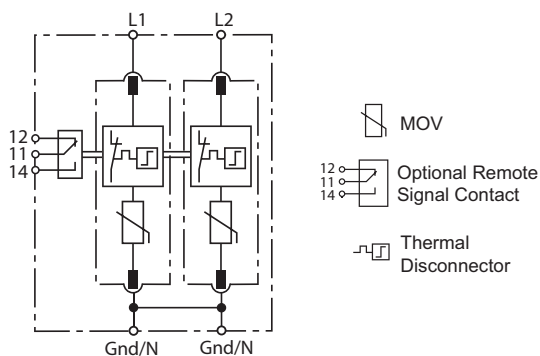


Remote Signal
Contact Available



**SCCR Rated
BSP UL Series (Type 2)**

Circuit Diagram



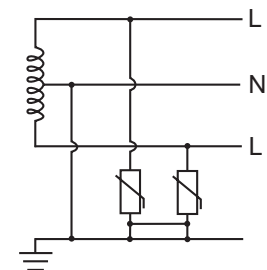
BSPM2240S3G, BSPM2480S3G*

Shown with optional remote contact signaling

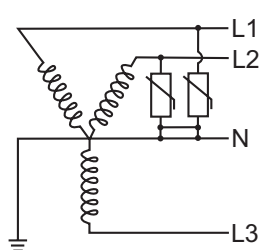
* For remote signaling contact, add "R" suffix to the part number. E.g., BSPM2480S3GR

ORDERING INFORMATION			
Nominal System Voltage		120/240, 240Vac	240/480Vac
Max. Continuous Operating Voltage	MCOV [L-G/L-L]	275/550Vac	385/770Vac
Catalog Numbers:	Without Remote Signaling	BSPM2240S3G	BSPM2480S3G
	With Remote Signaling	BSPM2240S3GR	BSPM2480S3GR
Replacement Module	MOV Technology	BPM275UL	BPM385UL
SPECIFICATIONS			
Rated Voltage		120-127Vac 240-254Vac 240Vac	240-480Vac 480Vac
Voltage Protection Rating V_{PR} [L-G/L-L]		1kV/1.8kV	1.5kV/2.5kV
Nominal Discharge Current I_n (kA)		20kA	
Max. Discharge Current I_{max} (kA)		40kA	
Response Time t_A		≤25 ns	
SCCR		200kA	
Frequency		50/60Hz	
Number of Poles		2	
Number of Wires/Connection Points		2 Wires or 3 Wires / 3 Connection Points	
Operating State/Fault Indication		Green (good) / Red (replace)	
Cross-Sectional Area (min.)		14AWG - Cu Stranded, Solid or Fine	
Cross-Sectional Area (max.)		2AWG - Cu Solid or Stranded, 4AWG - Cu Fine	
Terminal Torque		45 lb-in	
For Mounting On		35mm DIN-Rail per EN 60715	
Enclosure Material		Thermoplastic, UL 94V0	
Degree of Protection		IP20 (finger-safe)	
Location Category		Indoor	
Capacity		2 mods, DIN 43880	
Application		UL Type 2 Component Assembly	
Standard		UL 1449, 3 rd Edition	
Agency Information		cURus, CSA, RoHS Compliant	
Product Warranty		Five Years*	
REMOTE CONTACT SIGNALING			
Remote Contact Signaling Type		Changeover Contact	
AC Switching Capacity (Volts/Amps)		250V/0.5A	
DC Switching Capacity (Volts/Amps)		250V/0.1A; 125V/0.2A; 75V/0.5A	
Conductor Ratings and Cross-Sectional Area for Remote Contact Signal Terminals		60/75°C Max. 1.5mm²/14AWG Solid/Flexible	
Ordering Information		Order from Catalog Numbers Above	

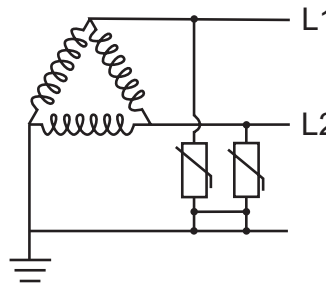
* See Cooper Bussmann SPD Limited Warranty Statement (3A1502) for details at www.cooperbussmann.com/surge.



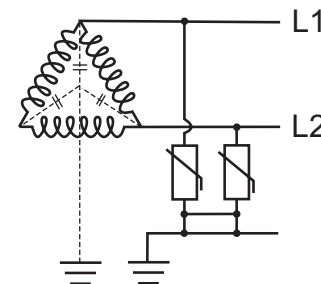
120/240V, 240/480Vac
Single Phase (Split) Center Tap
BSPM2240S3G, BSPM2480S3G



120/208V, 277/480Vac
3 Wire Wye System
BSPM2240S3G, BSPM2480S3G



2 Wire Corner Grounded Delta



240, 480Vac
2 Wire Ungrounded Delta
BSPM2440S3G, BSPM2480S3G

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