

# Four-pole high SCCR UL Type 2 surge protective devices for three-phase Highleg Delta and Wye systems

**RoHS**



Remote contact signaling available

easyID™ local visual status indication

## 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

- 120/208Vac
- 127/220Vac
- 277/480Vac
- 347/600Vac
- 120/240Vac
- 240/480Vac

### Short-Circuit Current Rating (SCCR)

- Up to 200kA

### Systems types

- Three-phase Wye, 4 wire + ground
- Three-phase highleg Delta, 4 wire + ground

### Agency information

- UL® Recognized 1449 4<sup>th</sup> 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:

- BSPM4\_\_WYNG
- BSPM3\_\_WYNGR
- BSPM3\_\_HLG
- BSPM3\_\_HLGR

## Description:

Eaton Bussmann™ series four-pole UL modular surge arresters feature *easyID™* local visual indication and optional remote contact signaling for system monitoring.

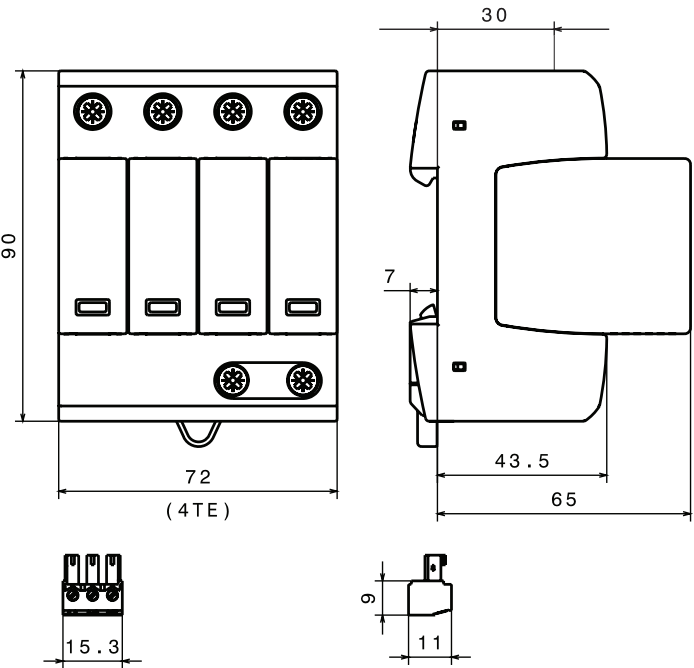
The unique module locking system fixes the protection modules to the base and they can be easily replaced without tools by simply depressing the release buttons.

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



Powering Business Worldwide

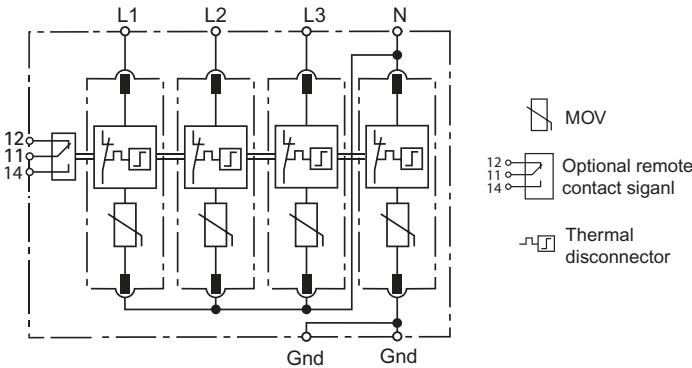
Dimensions - mm:



Shown with optional remote contact signaling.

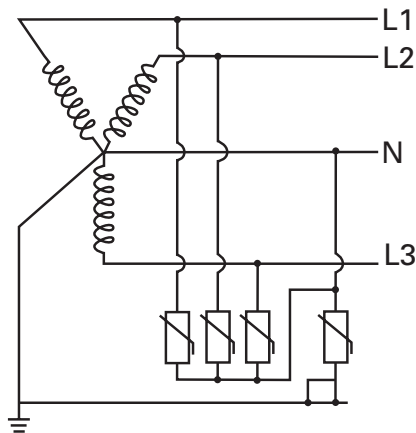
Module circuit diagrams:

Shown with optional remote contact signaling

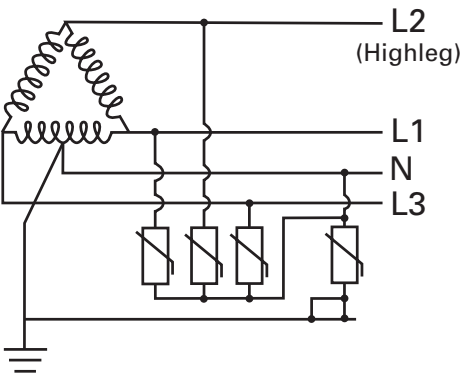


BSPM4208WYNG  
BSPM4480WYNG  
BSPM4600WYNG  
BSPM4240HLG  
BSPM4480HLG

Typical installation/system application:



120/208V, 127/220V, 277/480V, 347/600Vac  
Wye 3-phase, 4 wire + ground  
BSPM4208WYNG, BSPM4480WYNG, BSPM4600WYNG



120/240V, 240/480Vac  
Highleg Delta, 3-phase, 4 wire + ground  
BSPM4240HLG, BSPM4480HLG

## Ordering information:

Nominal system voltage		120/208Vac, 127/220Vac	120/240Vac	240/480Vac	277/480Vac	347/600Vac
Max. Continuous Operating AC Voltage MCOV (V <sub>c</sub> )	[L-N/L-G]	275/550Vac	275/550Vac	385/770Vac	385/600Vac	600/875Vac
	[N-G/L-L]	275/550Vac	275/550Vac	385/770Vac	275/770Vac	275/1200Vac
	[H-N/H-G]	—	275/550Vac	600/985Vac	—	—
	[L-L]	—	550VAC	985Vac	—	—
Catalog numbers (base + modules)	W/O remote signaling	BSPM4208WYNG	BSPM4240HLG	BSPM4480HLG	BSPM4480WYNG	BSPM4600WYNG
	W/ remote signaling	BSPM4208WYNGR	BSPM4240HLGR	BSPM4480HLGR	BSPM4480WYNGR	BSPM4600WYNGR
Replacement module, MOV technology, four (4) total required	Module positions: L1 or L3	BPM275UL	BPM275UL	BPM385UL	BPM385UL	BPM600UL
	L2	BPM275UL	BPM275UL	BPM600UL	BPM385UL	BPM600UL
	N	BPM275UL	BPM275UL	BPM385UL	BPM275UL	BPM275UL

Specifications		120/208Vac, 127/220Vac	120/240Vac	240/480Vac	277/480Vac	347/600Vac
Rated voltage		120/208Vac, 127/220Vac	120/240Vac	240/480Vac	277/480Vac	347/600Vac
Voltage Protection Rating VPR	[L-N/L-G]	1kV/1.8kV	1kV/1.8kV	1.5kV/2.5kV	1.5kV/2.5kV	2kV/3kV
	[N-G/L-L]	1kV/1.8kV	1kV/1.8kV	1.5kV/2.5kV	1kV/2.5kV	1kV/4kV
	[H-N/H-G]	—	1kV/1.8kV	2kV/3kV	—	—
	[H-L]	—	1.8kV	3kV	—	—
SCCR		200kA	200kA	125kA	200kA	125kA
Discharge current	Nom. I <sub>n</sub>	20kA				
	Max. I <sub>max</sub>	40kA				
Response time t <sub>A</sub>		≤25 ns				
Frequency		50/60Hz				
Number of poles		4				
Number of wires/connection points		4 wires / 5 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		4 Mods, DIN 43880				
Application, standard		UL Type 2 Component Assembly, UL 1449, 4 <sup>th</sup> 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 and cross-sectional area		60/75°C Max. 1.5mm <sup>2</sup> /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](http://www.cooperbussmann.com/surge).

The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
Eaton.com

Bussmann Division  
114 Old State Road  
Ellisville, MO 63021  
United States  
Eaton.com/bussmannseries

© 2016 Eaton  
All Rights Reserved  
Printed in USA  
Publication No. 2152 — BU-MC16XXX  
February 2016

Eaton and Bussmann are valuable trademarks of Eaton in the U.S. and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

For Eaton's Bussmann series  
product information,  
call **1-855-287-7626** or visit:



Follow us on social media to get the  
latest product and support information.



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

[BSPM4208WYNGR](#) [BSPM4480WYNG](#) [BSPM4480WYNGR](#) [BSPM4600WYNG](#) [BSPM4208WYNG](#)