



## Surge protection for UL 508A applications



Comprehensive UL Listed open Type 1 1449 4<sup>th</sup> Edition surge protection solutions for North American applications.

Eaton's Bussmann™ series UL® Listed open Type 1 modular surge arresters feature local, *easyID*™ visual indication and standard remote contact signaling.

The unique 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 keying between the base and protection module helps prevent against installing an incorrect replacement module.

### Features and benefits

- UL 1449 4<sup>th</sup> Edition Listed open Type 1 and CSA® component assembly SPD devices provide optimum surge protection for the United States and Canadian panel markets.
- 200 kA SCCR for demanding applications.
- Modular DIN-Rail design with module rejection feature makes it easy to install and maintain.
- *easyID* visual indication and standard remote contact signaling make status monitoring simple.
- When properly installed, IP20 finger-safe design improves electrical safety.

## The need for surge protection

Today's world is full of electronic products and devices that are susceptible to damage from overvoltage surges.

Whether the cause is static discharge, lightning, or inductive load switching, overvoltage surges can quickly destroy industrial and commercial electronics such as computers and industrial controls.

Bussmann series surge protection products help provide power quality that's free from damaging surges.

## Complete line of surge protection solutions



Power distribution

Control panel



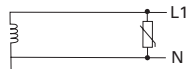
Data signal

## UL-SPD part number explanation\*

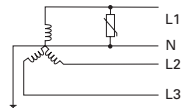
| BSPMA                                       | X | XXX | XXX | R |
|---------------------------------------------|---|-----|-----|---|
| <b>BSPMA = product series/technology</b>    |   |     |     |   |
| M = MOV                                     |   |     |     |   |
| <b>Poles</b>                                |   |     |     |   |
| 1 = 1-pole, 1 wire, 2 = 2-pole, 2 or 3 wire |   |     |     |   |
| 3 = 3-pole, 3 wire, 4 = 4-pole, 4 wire      |   |     |     |   |
| <b>System voltage</b>                       |   |     |     |   |
| 120 = 120 Vac, 208 = 208 Vac                |   |     |     |   |
| 240 = 240 Vac, 480 = 480 Vac, 600 = 600 Vac |   |     |     |   |
| <b>System type</b>                          |   |     |     |   |
| S2G = Single-phase, 2 Wire                  |   |     |     |   |
| S3G = Single-phase (Split), 3 Wire          |   |     |     |   |
| DLG = Delta                                 |   |     |     |   |
| WYG = Wye                                   |   |     |     |   |
| WYNG = Wye with neutral and ground          |   |     |     |   |
| <b>Standard remote contact signaling</b>    |   |     |     |   |
| R = Remote contact signaling                |   |     |     |   |

\* This is not a catalog number system for configuring and ordering an SPD for a particular application. It is an explanation of the available black label high SCCR DIN-Rail SPD catalog numbers.

### 1-pole (2 wire) and single-phase two (2) connection points



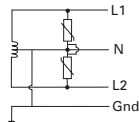
120, 240 Vac 2 wire systems



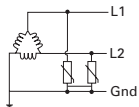
120, 277 Vac 2 wire Wye systems

Part numbers for all systems  
BSPMA1120S2GR, BSPMA1240S2GR

### 2-pole (2 wire / 3 wire) three (3) connection points

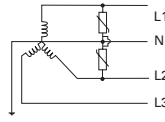


120/240 V, 240/480 Vac  
Single-phase (split) center tap  
BSPMA2240S3GR, BSPMA2480S3GR

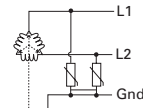


2 wire corner grounded delta

240, 480 Vac  
BSPMA2240S3GR, BSPMA2480S3GR

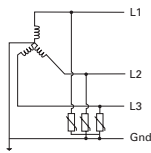


120/208 V, 277/480 Vac  
3 wire Wye system  
BSPMA2240S3GR, BSPMA2480S3GR

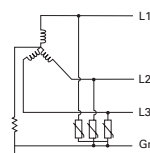


2 wire ungrounded delta

### 3-pole (3 wire) 3-phase four (4) connection points

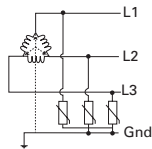


208, 480, 600 Vac



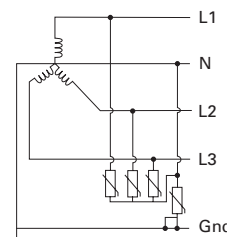
208 V, 480 V, 600 Vac

Wye 3-phase, 3 wire + ground  
BSPMA3208WYGR, BSPMA3480WYGR, BSPMA3600WYGR



240, 480 Vac  
Delta 3-phase, 3 wire + ground  
BSPM3240DLG, BSPM3480DLG

### 4-pole (4 wire) 3-phase five (5) connection points



120/208 V, 127/220 V, 277/480 V  
Wye 3-phase, 4 wire + ground  
BSPMA4208WYNGR, BSPMA4480WYNGR

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