Flexible protection in a compact design

Eaton Bussmann™ series BSPA surge protective devices are commercial grade and light industrial solutions that provide safe, reliable and compact surge protection.

BSPA surge protective devices (SPDs) are UL® Listed 1449 4th Edition devices featuring a compact NEMA® 4X enclosure suitable for external installation on or near an electrical assembly in a variety of environments.

BSPA units are available in all common voltage and system configurations, and in a variety of peak surge current capacity ratings from 50 through 200 kA per phase. Several feature package options are available to extend application flexibility.

**Features**

- Thermally-protected metal oxide varistor (MOV) technology ensures superior surge protection.
- Tri-colored LED protection status indicators for accurate status information.
- UL maximum 20 kA nominal discharge current (Iₚ) rating and 200 kA short-circuit current rating (SCCR) meet most system requirements.
- Compact, corrosion-resistant NEMA 4X enclosure for indoor or outdoor installation.
- Audible alarm and Form C contact options for notification and remote monitoring.
Specifications

Agency information:
- UL 1449 4th Edition Type 1 and Type 2
- UL 1283 6th Edition
- Canadian Standards Association (CSA) Type 1 and Type 2
- CSA® C22.2 No. 269.1-14 for Type 1 SPD, CSA C22.2 No. 269.2-13 for Type 2 SPD, CSA C22.2 No. 8-13 for EMI filter
- RoHS compliant

Configurable features:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Standard</th>
<th>Optional</th>
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</thead>
<tbody>
<tr>
<td>Surge protection using thermally protected MOV technology</td>
<td></td>
<td>✅</td>
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<tr>
<td>Tri-colored LED protection status indicators for each phase</td>
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<td>✅</td>
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<tr>
<td>Tri-colored LED protection status indicators for the neutral-ground protection mode</td>
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<tr>
<td>Audible alarm</td>
<td></td>
<td>✅</td>
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<tr>
<td>Form C relay contact</td>
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<td>✅</td>
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<tr>
<td>EMI/RFI filtering, for up to 40 dB of noise attenuation from 10 kHz to 100 MHz</td>
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</table>

Tri-colored LED status:
LED indicators show continuous self-diagnostic status, including neutral-ground mode and display:

Green - Fully protected
Yellow - Loss of neutral-to-ground protection
Red - Loss of protection

Note: Each LED represents a single phase.

Catalog number system:
The catalog numbering system permits specifying any combination to meet requirements.

BSPA 200 208Y 8 P

BSPA = Product family
Surge rating per phase
- 050 = 50 kA per phase
- 100 = 100 kA per phase
- 150 = 150 kA per phase
- 200 = 200 kA per phase

Voltage/system code
- 120N = 120 V single-phase (2W +G)
- 240N = 240 V single-phase (2W +G)
- 240S = 120/240 V split-phase (3W +G)
- 240D = 240 V Delta (3W + G)
- 480D = 480 V Delta (3W + G)
- 600D = 600 V Delta (3W + G)
- 208Y = 120/208 V Wye (4W + G)
- 415Y = 240/415 V Wye (4W + G)
- 480Y = 277/480 V Wye (4W + G)
- 600Y = 347/600 V Wye (4W + G)

Options
- 1 = No options (standard configuration), Type 1
- 4 = Form C relay, Type 1
- 5 = Audible alarm and Form C relay, Type 1
- 7 = EMI filtering and Form C relay, Type 2
- 8 = EMI filtering, audible alarm and Form C relay, Type 2

NEMA enclosure
- P = NEMA 4X

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