**INTRODUCTION**

Bourns is pleased to announce the release of a new AC Hybrid Surge Protective Device (SPD) family which significantly expands our current product line offering.

The Bourns® Model 1260 Series SPD is a DIN-Rail pluggable AC Hybrid Surge Protective Device. These protectors are designed to protect high-risk electrical service entrance and branch panels. Based on its advanced hybrid MG architecture (MOV + GDT technology) this series can provide better reliability and safety protection due to no leakage or follow-on current.

The Model 1260 Series is a heavy-duty AC Hybrid SPD with a maximum discharge current rating of 100 kA (8/20 μs). These models are IEC/EN 61643-11 compliant Class I + Class II / T1+T2 SPDs.

**FEATURES**

- IEC/EN 61643-11 compliant Class I + Class II / T1+T2 SPD
- High reliability protected MOV with Thermal Disconnector
- Large surge energy capability up to 100 kA per mode
- Pluggable module for easy replacement
- High short-circuit current rating up to 50 kArms
- Impulse current capacity up to 25 kA 10/350 μs
- RoHS compliant*

**BENEFITS**

The MG technology combining the Gas Discharge Tubes (GDTs) and Metal Oxide Varistors (MOV) in surge protection systems offers comprehensive and rapid defense against a wide spectrum of surge events.

- The GDT blocks leakage currents – reducing stress on the MOV that causes aging.
- The MOV prevents follow-on current (after a surge) that could damage the GDT.
- After experiencing many surges, the GDT prevents dangerous leakage currents in the MOV that are known to cause thermal runaway.

**APPLICATIONS**

- Electrical service entrance
- Branch panels
- All power circuits
- Heavy industrial
- EV charging stations

**MORE INFORMATION**

- AC Power SPDs: Model 1250A Series SPD
- DC Power SPDs: Model 1420A Series SPD
- High-energy MOVs
- High-current GDTs
- Power TVS Diodes

**HOW TO ORDER**

Model Designator

1260 - x (N) S (MG) - xxx

**CIRCUIT DIAGRAM**

![Circuit Diagram](image)

**PRODUCT Schematic (continued)**

**ADDITIONAL INFORMATION**

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Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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### Electrical Characteristics

<table>
<thead>
<tr>
<th>Series</th>
<th>Product Technologies</th>
<th>Connection Mode</th>
<th>AC System</th>
<th>AC Network</th>
<th>Max. Operating Voltage (Uc)</th>
<th>IEC/EN Category</th>
<th>Compliance</th>
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</thead>
<tbody>
<tr>
<td>1260-xS-120</td>
<td>High Energy MOV Technology</td>
<td>1-Pole, L-N or L-G or N-PE</td>
<td>IT, TT, TN, Single, Split Phase, Delta, Wye</td>
<td>120 / 240 V 120 / 208 V 127 / 220 V</td>
<td>150 V</td>
<td>Class I + Class II / T1 + T2</td>
<td>IEC/EN 61643-11</td>
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<tr>
<td>1260-xS-230</td>
<td>MG Technology: MOV + GDT</td>
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<td>347 / 600 V 480 V (Delta)</td>
<td>440 V 600 V 750 V</td>
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<td>1260-xS-277</td>
<td>Thermal Disconnector</td>
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For full characteristics, see data sheet

### Product Dimensions

#### 1P

![1P Dimension Diagram](image)

#### 2P

![2P Dimension Diagram](image)

#### 3P

![3P Dimension Diagram](image)

#### 4P

![4P Dimension Diagram](image)