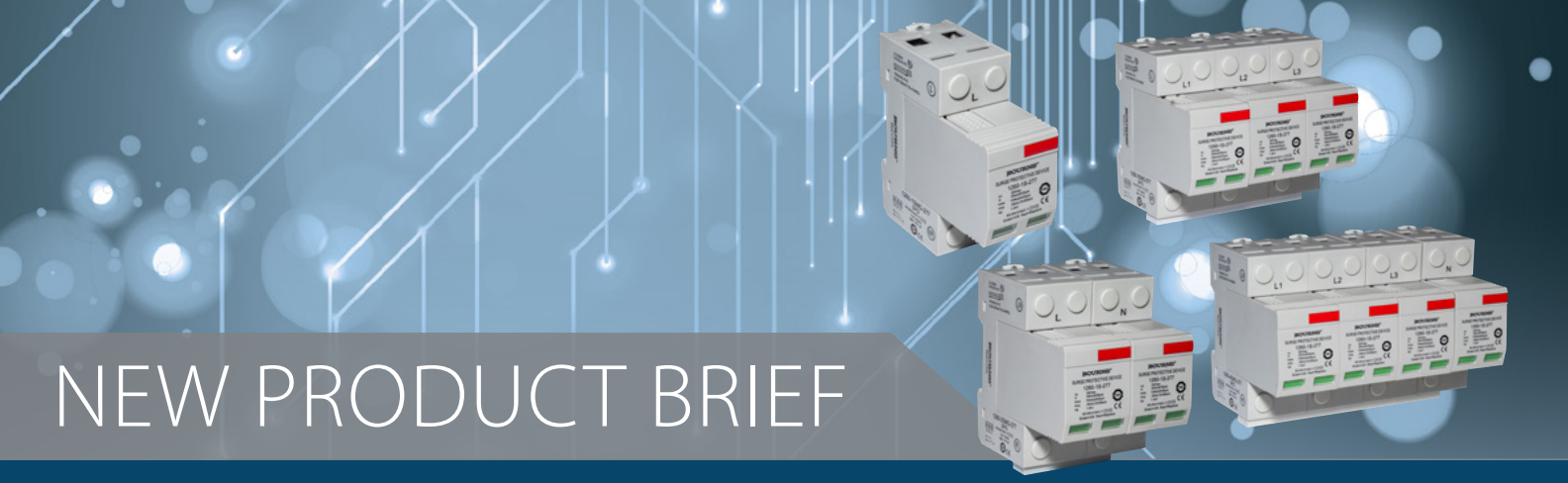


# NEW PRODUCT BRIEF

# Bourns® 1260 Series AC Hybrid Surge Protective Devices

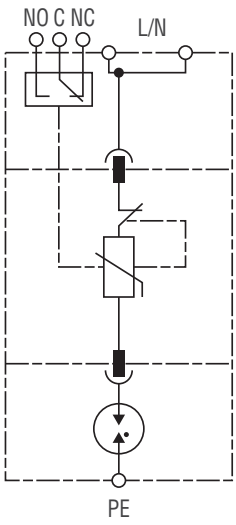
## INTRODUCTION

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.

## CIRCUIT DIAGRAM




## 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

## 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 (MOVs) 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.

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

## HOW TO ORDER

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

Model Designator
- 1260 = AC Hybrid SPD

Configuration (number of poles)
- 1 = One Protected Pole
- 2 = Two Protected Poles
- 3 = Three Protected Poles
- 4 = Four Protected Poles

Neutral or Ground Option
- N = N-PE Protected with GDT

Remote Signaling Code
- S = Remote Signaling

Protection Technology
- (blank) = MOV
- MG = MOV + GDT

Operating Voltage
- 120 = 120/240 V, 120/208 V
- 127 = 120/208 V, 127/220 V
- 230 = 220/380 V, 230/400 V
- 277 = 240/415 V, 277/480 V
- 400 = 277/480 V, 347/600 V
- 480 = 347/600 V, 480 V (Delta)
- 690 = 690 V (Delta)

NEW PRODUCT BRIEF

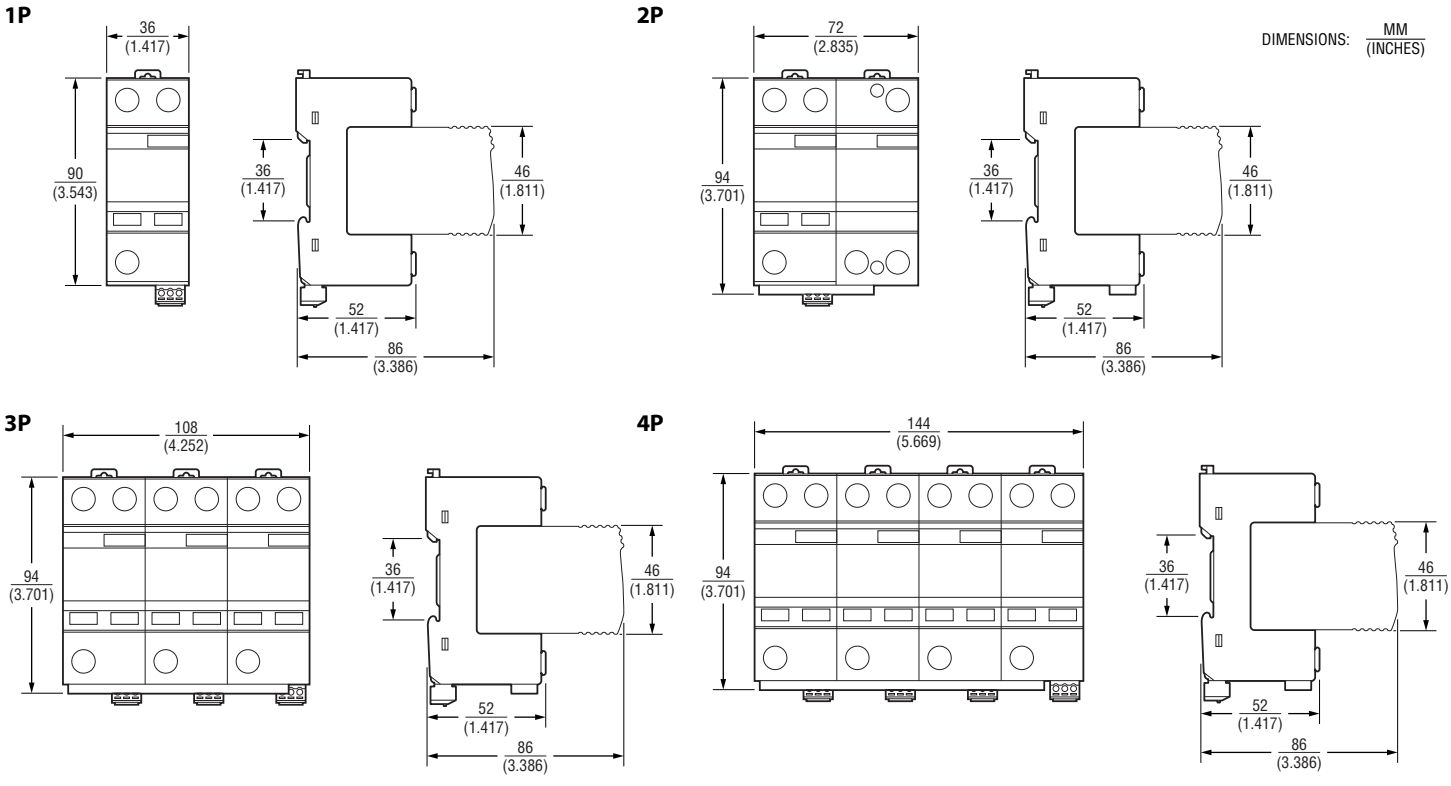
# Bourns® 1260 Series AC Hybrid Surge Protective Devices

## ELECTRICAL CHARACTERISTICS

| Series | Product Technologies | Connection Mode | AC System | AC Network | Max. Operating Voltage ($U_c$) | IEC/EN Category | Compliance |
|---|---|---|---|---|---|---|---|
| **1260-xS-120** | High Energy MOV Technology<br>MG Technology: MOV + GDT<br>Thermal Disconnector | 1-Pole, L-N or L-G or N-PE | IT, TT, TN, Single, Split Phase, Delta, Wye | 120 / 240 V<br>120 / 208 V | 150 V | Class I + Class II / T1 + T2 | IEC/EN 61643-11 |
| **1260-xS-127** | | | | 120 / 208 V<br>127 / 220 V | 180 V | | |
| **1260-xS-230** | | | | 220 / 380 V<br>230 / 400 V | 275 V | | |
| **1260-xS-277** | | | | 240 / 415 V<br>277 / 480 V | 350 V | | |
| **1260-xS-400** | | | | 277 / 480 V<br>347 / 600 v | 440 V | | |
| **1260-xS-480** | | | | 347 / 600 V<br>480 V (Delta) | 600 V | | |
| **1260-xS-690** | | | | 690 V (Delta) | 750 V | | |

*For full characteristics, see data sheet*

## PRODUCT DIMENSIONS





www.bourns.com

**Americas:** *Tel* +1-951 781-5500
*Email* americus@bourns.com

**EMEA:** *Tel* +36 88 885 877
*Email* eurocus@bourns.com

**Asia-Pacific:** *Tel* +886-2 256 241 17
*Email* asiacus@bourns.com