



### Features

- Hybrid protection technology
- Extremely low leakage current
- Heavy duty surge protection
- LED indicators
- Compact form factor
- Indoor or outdoor installation

### Applications


- Service entrance, branch and OEM panels
- Electrical infrastructures
- Equipment and systems
- Protection from lightning
- Protection from AC power-induced problems

## 1202 Series Hardwired AC Hybrid Surge Protective Device (H-SPD)

### General Information

The Bourns® Model 1202 Series is a Type 1 hardwired hybrid surge protective device targeted for AC infrastructure applications. The hybrid Model 1202 design combines fast responding MOV technology with low leakage GDT technology resulting in reliable and long-term performance.

### Agency Listing

Agency	Standard	Agency File No.
	1449 - 4th Ed., Type 1	<a href="#">E313168</a>

### Electrical Characteristics

Characteristic	Model No.	
	1202-120S	1202-240S
Electrical Distribution System (Phase)	120 V <sub>AC</sub> Single	120 / 240 V <sub>AC</sub> Single/Split
Nominal (Operating) Voltage	120 V <sub>AC</sub>	120 / 240 V <sub>AC</sub>
Maximum Operating Voltage	MCOV	150 V <sub>AC</sub>
Temporary Overvoltage Withstand	U <sub>T</sub>	150 V <sub>AC</sub>
Nominal Discharge Current in 15 Applications of 8/20 μs Impulse Waveform	I <sub>n</sub>	10 kA
Overvoltage Protection Rating (3 kA)	V <sub>pr</sub>	1200 V <sub>AC</sub>
Short Circuit Current Rating	I <sub>scCR</sub>	25 kA @ 230 V <sub>AC</sub>

### Mechanical Characteristics

Enclosure.....UL 94 5VA rated Polyphenylene/Polystyrene  
 Environmental Rating .....IP 66 / NEMA 4x  
 Mounting.....Bulkhead  
 Weight .....0.5 lbs.  
 Disconnection Indicator .....LED off  
 Electrical Connection.....12 AWG solid wiring leads, 24 inches max. length  
 Mechanical Connection to Panel  
     .....Straight nipple with nut for mounting through 1/2-inch Trade Size knockout;  
     1/2-inch Trade Size knockout is approximately 0.875 inch

### How To Order

**1202 - xxxx**

Series \_\_\_\_\_

Nominal (Operating) Voltage \_\_\_\_\_

120S = 120 V<sub>AC</sub>  
 240S = 120/240 V<sub>AC</sub>

### Packaging Specifications

1202 Series .....one unit per box

### Environmental Characteristics

Operating Temperature.....-40 °C to +85 °C  
 Moisture Sensitivity Level ..... 1  
 ESD Classification (HBM)..... 6



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

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

Specifications are subject to change without notice.

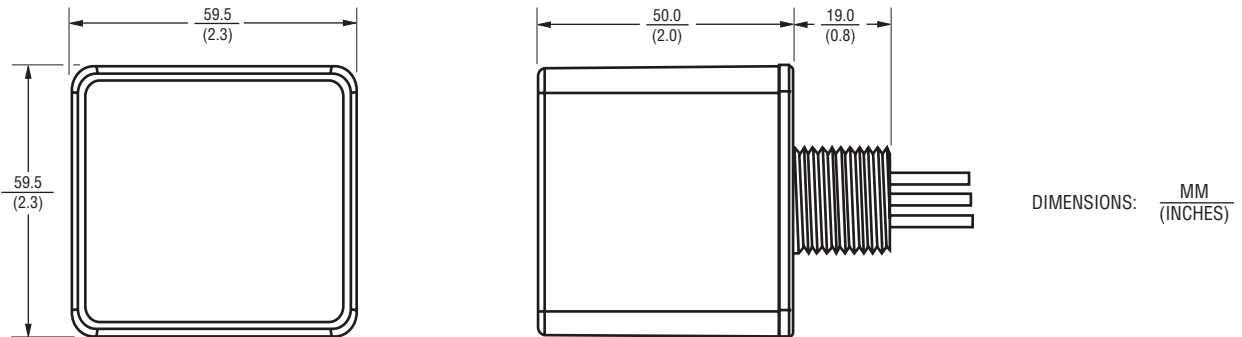
Users should verify actual device performance in their specific applications.

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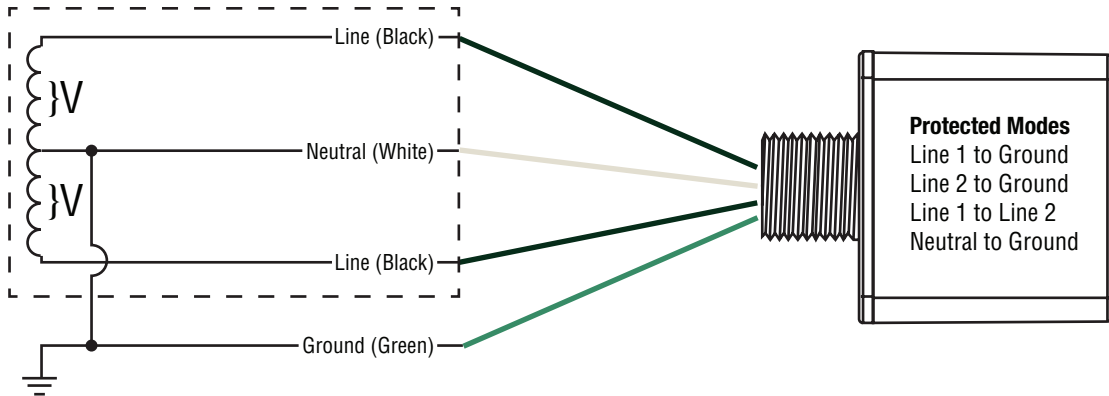
# 1202 Series Hardwired AC Hybrid Surge Protective Device (H-SPD)

**BOURNS®**

## Product Dimensions



## Wiring and Protection Modes



Model 1202-120S = 1 Hot, 1 Neutral, 1 Ground  
Model 1202-240S = 2 Hot, 1 Neutral, 1 Ground

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