



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	E313168

Electrical Characteristics

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

Mechanical Characteristics

Enclosure.....UL 94 5VA rated Polyphenylene/Polystyrene
 Environmental RatingIP 66 / NEMA 4x
 Mounting.....Bulkhead
 Weight0.5 lbs.
 Disconnection IndicatorLED 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

Environmental Characteristics

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

How To Order

Series _____ **1202 - xxxx**
 Nominal (Operating) Voltage _____
 120S = 120 V_{AC}
 240S = 120/240 V_{AC}

Packaging Specifications

1202 Seriesone unit per box



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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

Specifications are subject to change without notice.

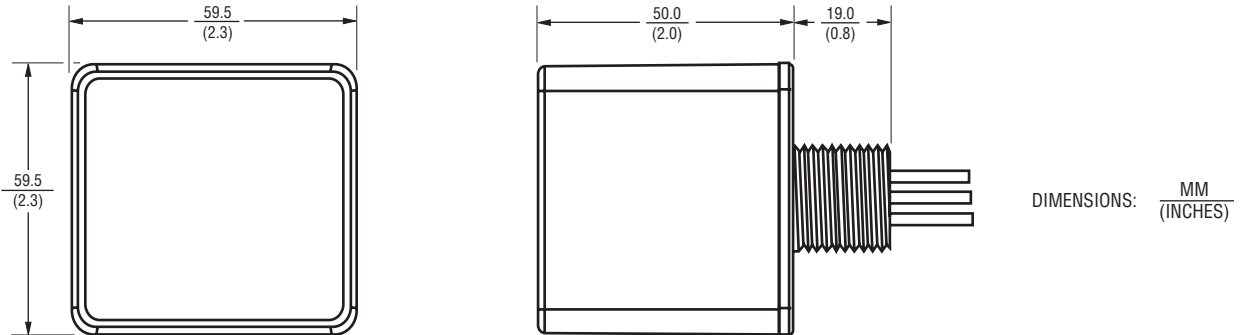
Users should verify actual device performance in their specific applications.

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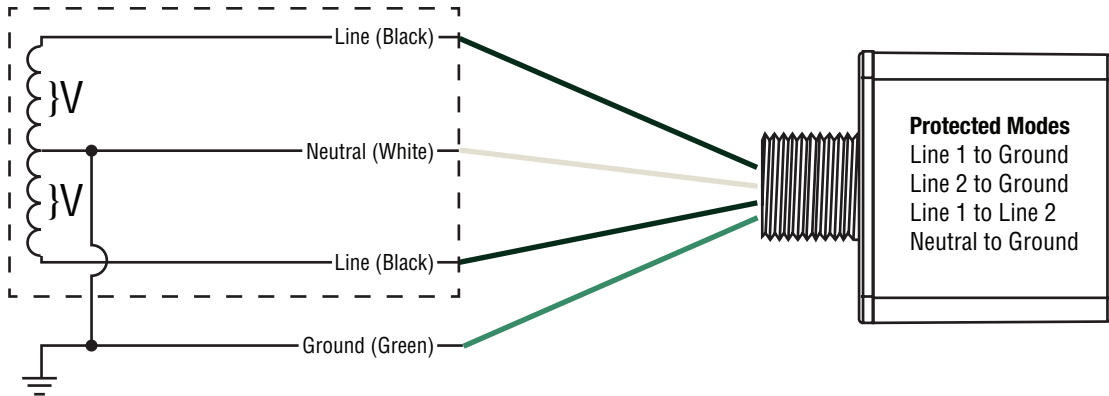
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BOURNS®

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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