



Features

- Hybrid or thermally protected MOV 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 Surge Protective Device (H-SPD/T-SPD)

General Information

The Bourns® Model 1202 Series is a Type 1 hardwired surge protective device targeted for AC infrastructure applications. The hybrid Model 1202-S design combines fast responding MOV technology with low leakage GDT technology resulting in reliable and long-term performance. The Model 1202-P built-in thermal protection feature is designed to safely open in the event of overheating caused by abnormal overvoltage or Temporary Overvoltage (TOV) conditions, thereby interrupting abnormal current within rated limits.

Additional Information

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Electrical Characteristics

Characteristic		Model No.			
		1202-120S	1202-240S	1202-120P-20	1202-240P-20
Electrical Distribution System (Phase)		120 VAC Single	120 / 240 VAC Single/Split	120VAC Single	120 / 240 VAC Single/Split
Nominal (Operating) Voltage		120 VAC	120 / 240 VAC	120 VAC	120 / 240 VAC
Maximum Operating Voltage	MCOV	150 VAC			
Temporary Overvoltage Withstand	U_T	150 VAC			
Nominal Discharge Current in 15 Applications of 8/20 μ s Impulse Waveform	I_n	10 kA		20 kA	
Maximum Discharge Current in 1 Application of 8/20 μ s Impulse Waveform	I_{max}	25 kA		50 kA	
Overvoltage Protection Rating (3 kA)	V_{pr}	1200 VAC		700 VAC	
Short Circuit Current Rating	I_{scor}	25 kA		100 kA	

Mechanical Characteristics

Enclosure.....UL 94 5 VA rated Polyphenylene/Polystyrene
 Environmental RatingIP 66 / NEMA 4x
 Mounting.....Bulkhead
 Weight
 1202-xxxS Series 0.73 lbs.
 1202-xxxP Series 0.54 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

Environmental Characteristics

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

Packaging Specifications

1202 Seriesone unit per box



CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See 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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Agency Listing

Agency	Category	Agency File No.
	UL1449 - 5th Ed., Type 1	E313168

How To Order

1202 - 120 P - 20

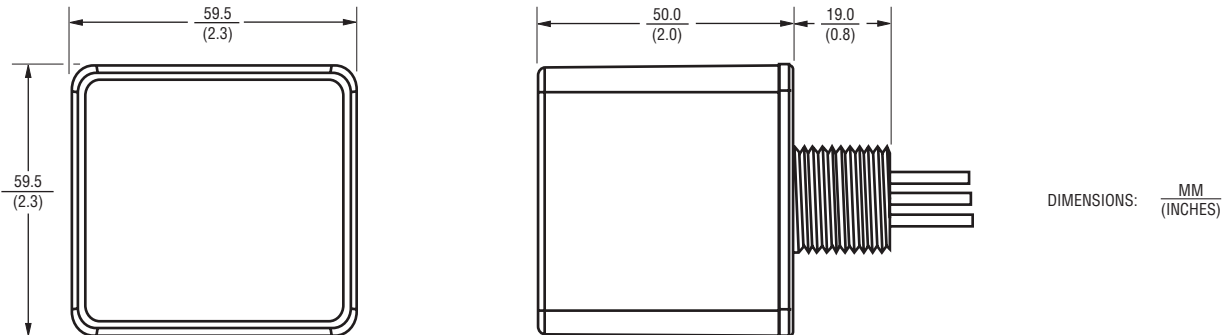
Series _____
 Nominal (Operating) Voltage _____
 120 = 120 VAC
 240 = 120/240 VAC
 Overvoltage Protection Type _____
 S = Hybrid (GDT + MOV)
 P = Thermally Protected
 Nominal Current* _____
 Blank = 10 kA
 20 = 20 kA

*10 kA nominal current is available only as hybrid overvoltage protection type.

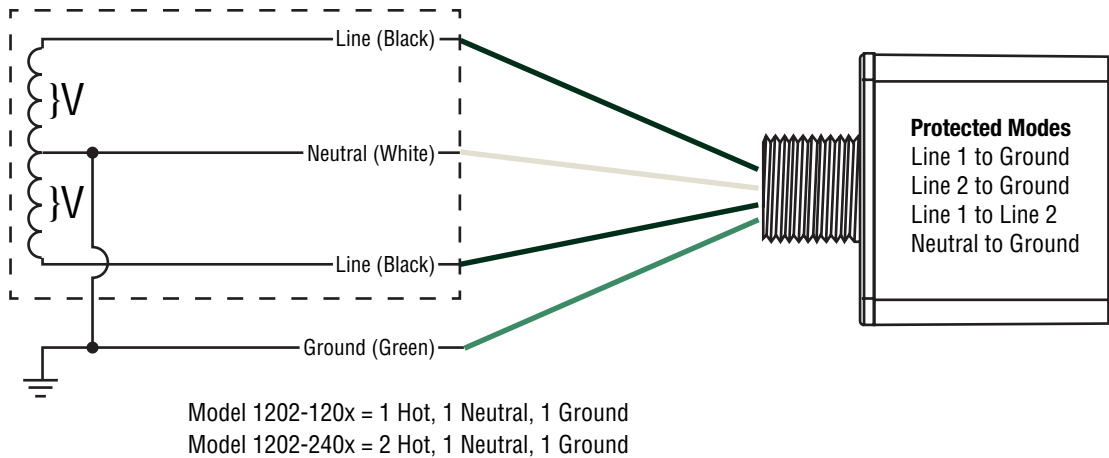
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BOURNS®

Product Dimensions



Wiring and Protection Modes

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