

## Features

- Type 2 AC Power SPD
- Heavy duty surge protection in all modes
- LED indicators and audible alarm
- EMI/RFI noise filtering
- Indoor or outdoor installation
- UL1449 4th Edition
- RoHS compliant\*

## Applications

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

## 1214 Series Heavy Duty AC Surge Protective Device

### General Information

The Bourns® Model 1214 Series heavy duty Surge Protective Device is targeted for AC infrastructure applications. The Model 1214 Series design utilizes high energy thermally protected metal oxide varistor technology with an I<sub>max</sub> of 100 kA per phase. The Model 1214 Series is ideal for protecting AC infrastructures most at risk from frequent lightning and other electrical transients.

### Electrical Characteristics

Characteristic		Model 1214-			
		240S	208Y	277Y	480D
Electrical Distribution System		120/240 VAC Split Phase	120/208 VAC Wye 3 Ph/N+G	277/480 VAC Wye 3 Ph/N+G	480 VAC Delta 3 Ph/+G
Modes Protected		L-N, L-G, N-G, L-L			
Maximum Operating Voltage	MCOV	150 VAC	150 VAC	320 VAC	550 VAC
Maximum Discharge Current	I <sub>max</sub>	100 kA			
Overvoltage Protection Rating	L-N	800	800	1500	--
	L-G	900	900	1200	1800
	N-G	800	800	1200	--
	L-L	1800	1800	2000	3000
RFI Filtering		-40 dB			
UL Short Circuit Rating	I <sub>SSC</sub>	200 kA			

### Safety Features

Thermal Disconnect..... Internal to each protective component  
 Electrical Disconnect..... Internal to each surge protector  
 Failure Indicators..... LED, audible alarm and remote signaling  
 Type S or Delay

### Mechanical Characteristics

Enclosure..... Steel - Nema 4/12  
 Environmental Rating..... IP 66 / NEMA 4x  
 Operating Temperature..... -40 °C to +85 °C  
 Mounting..... Wall mounting (screws not supplied)  
 Weight..... 10.6 lbs.  
 Indicators..... LED, audible alarm and remote signaling  
 Electrical Connection..... Hardwired, 10 gauge wire

### Standards Compliance

UL1449 4th Edition, Type 1 ..... E313168

### How To Order

**12 14 - xxxx**

Series \_\_\_\_\_  
 14 = 100 kA Max. Discharge Current  
 Nominal Operating Voltage \_\_\_\_\_  
 240S = 120/240 VAC Split Phase  
 208Y = 120/208 VAC Wye 3 Ph/N+G  
 277Y = 277/480 VAC Wye 3 Ph/N+G  
 480D = 480 VAC Delta 3 Ph/+G

### Packaging Specifications

..... one unit per box

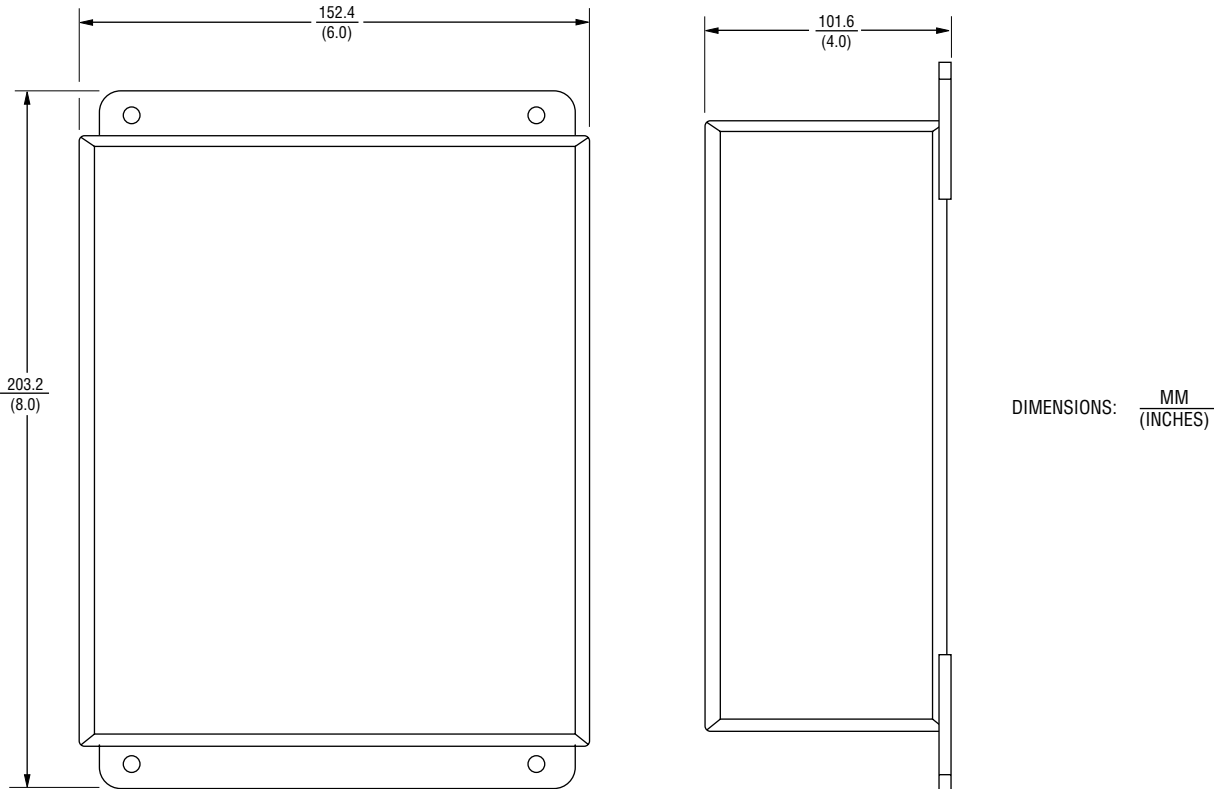
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

**1214 Series Heavy Duty AC Hybrid Surge Protective Device (H-SPD)**

**BOURNS®**

**Product Dimensions**



**BOURNS®**

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