

Technical Specification

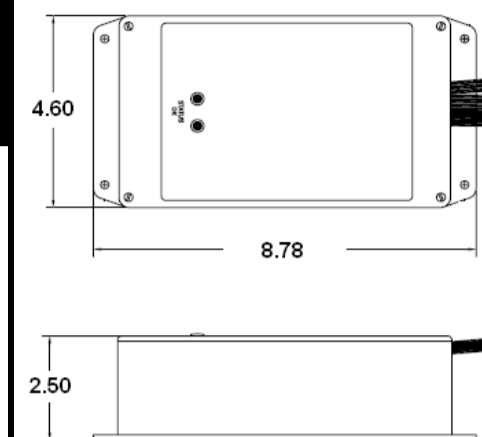
458120SGS

ASCO Power Technologies



We Keep Your Power On

The ASCO PULSAR Series 458 are direct mode, electronic grade surge protective devices designed to protect electronic equipment and microprocessor based systems from transients on sub-distribution panels, branch panels, or equipment located in low exposure locations.



Nominal Operating Voltage / Phase Configuration	120/240VAC, Single Phase, 3 Wire + Gnd
Operating Voltage Range	120 VAC +/- 25%
Operating Frequency Range	47 - 63 Hz
ANSI/IEEE C62.41 Category	A, B, & C
Connection Type	Conductors - 10 AWG, Form C Contacts - 18 AWG
Capacity	Continuous (Parallel Connection)
Product Dimensions	8.78 x 4.60 x 2.50 (Inches) 120 x 225 x 65 (mm)
Enclosure Material	ABS Plastic, 94V-0
Enclosure, Degree of Protection IP	30
Method of Mounting	Flange
Weight	5 lbs. (2.3 kgs.)
Modes Of Protection	(Direct 6-Mode) L-N, L-G, N-G, L-L
Indication of Suppression Status	External LED, Form C contacts
Form C Contact Rating	120VAC, 5A, 1.0 PF
50Ω EMI/RFI Attenuation - Normal Mode	40 dB Typical
I-nominal (In)	10kA
Response Time	<.5 ns
Operating Temperature	- 40°C to 45°C
Operating Humidity	0% to 95% non-condensing
Certifications	UL 1449 Third edition (2009) Type 4 (for use in Type 2 devices)
Short Circuit Current Rating	42,000 RMS Symmetrical Amperes
Warranty	3 Years
Maximum Continuous Operating Voltage (MCOV) Uc	
Line to Neutral	150 VAC
Line to Ground	150 VAC
Line to Line	320 VAC
Neutral to Ground	150 VAC
UL 1449 Second Edition (2007) SVRs	
Line to Neutral	330 Vpk
Line to Ground	400 Vpk
Line to Line	700 Vpk
Neutral to Ground	400 Vpk
UL 1449 Third Edition (2009) VPRs	
Line to Neutral	700 Vpk
Line to Ground	800 Vpk
Line to Line	1200 Vpk
Neutral to Ground	600 Vpk
Maximum Surge Current Capacity (8 x 20 ms) I_{max}	
Line to Neutral	40,000 Amps
Line to Ground	40,000 Amps
Line to Line	40,000 Amps
Neutral to Ground	40,000 Amps
Line to Line	10,000 Amps
Total	210,000 Amps