

## AC Surge Protector SPD I2R DIN-Rail 230 Vac Single-Phase GDT 50 kA

**1102-014-8**  
I2R CM230-20



### Features

- Surge Counter with Digital Display

### Applications

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals

### Description

AC surge protector (also known as SPD or lightning protector) 1102-014-8 from Transtector is a DIN-Rail style SPD that utilizes state of the art GDT technology to protect critical equipment that operates on a 230 Vac Single-Phase electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector AC surge protectors are available in stock with same day shipping.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages	230			Vac
Service Type		Single-Phase		
Maximum Continuous Operating Voltage (MCOV)				
L - N			260	Vac

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT		
Protection Modes		L-N/G		
8/20 $\mu$ s Surge Current			50	kA
Nominal Discharge Current Rating (In)		20		kA
V <sub>pl</sub> 8/20 $\mu$ s L-N	1,500 @ 20kA			Vpk

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[AC Surge Protector SPD I2R DIN-Rail 230 Vac Single-Phase GDT 50 kA 1102-014-8](#)

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Response Time	75	ns
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### Mechanical Specifications

#### Size

Height	2.6 in	[66.04 mm]
Width	0.71 in	[18.03 mm]
Depth	3.54 in	[89.92 mm]
Weight	0.32 lbs	[145.15 g]
Housing Material and Plating	Plastic	

### Environmental Specifications

Temperature Range (Operational)	-40 to +80 deg C
Humidity	90% non-condensing

### Installation

Mount Type	DIN Rail
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

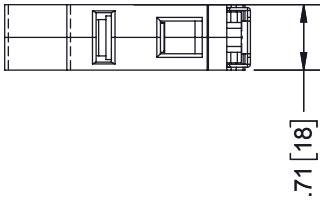
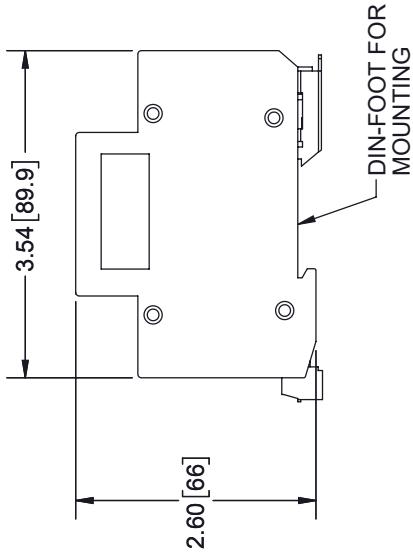
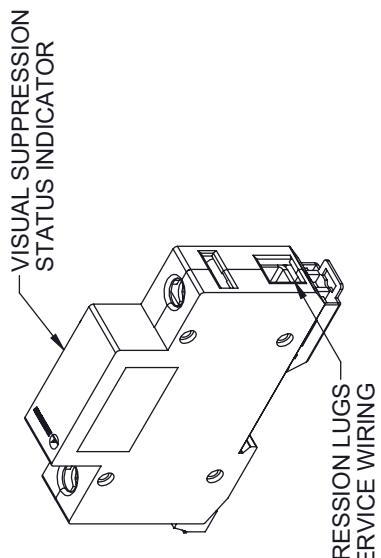
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URL: <https://www.transtector.com/ac-surge-protector-spd-i2r-din-rail-1102-014-8-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

1102-014-8 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/21/19	DWR



## 2X COMPRESSION LUGS – FOR SERVICE WIRING

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		SHEET 1 OF 1	REV A
<b>UNLESS OTHERWISE SPECIFIED</b> LEADING DIMENSIONS ARE INCHES DIMENSIONS IN MILLIMETERS		10701 AIRPORT ROAD, HAYDEN, ID. 83835 PHONE: 1.208.635.6400   800.882.9110 FAX: 1.208.955.2041 <a href="http://www.transtector.com">www.transtector.com</a>   e-mail: <a href="mailto:sales@transtector.com">sales@transtector.com</a>	
X=± 2 [5.08] XX=± 0.1 [2.5] XXX=± 0.05 [1.3]		<b>FRACTIONS</b> $\frac{1}{132}$ <b>ANGLES</b> $\pm 1^\circ$ <b>ALL DIMENSIONS SHOWN</b> <b>ARE FOR REFERENCE ONLY.</b>	
		DRAWN BY HMB PART NUMBER 1102-014-8 SIZE A CAGE 30992 REV 1.1	

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