AC Surge Protector SPD I2R-T112 DIN-Rail 230 Vac Single-Phase + CM MOV, GDT 50 kA, IEC 61643-11 Class I+II, CE, RoHS

I2R-T112-2PG230



Features

- IEC61643-11 Class I+II
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Wire Leads
- Replaceable Suppression Modules
- Wire and Comb Busbar Wiring Terminals
- Reversible Chassis for Top or Bottom Wiring
- DIN-Rail Mount
- Dry Contact Remote Annunciation Terminals

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
- Mining
- Photovoltaic and Wind

Description

AC surge protector (also known as SPD or lightning protector) I2R-T112-2PG230 from Transtector is a DIN-Rail style SPD that utilizes state of the art MOV/GDT technology to protect critical equipment that operates on a 230 Vac Single-Phase + CM 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 + CM		
Maximum Continuous Operating Voltage (MCOV)				
L - N			275	Vac
Backup Fuse		200		A gL/gG

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV, GDT		

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
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Protection Modes	L-N, N-PE		
8/20µs Surge Current		50	kA
10/350µs Surge Current	12.5		kA
Nominal Discharge Current Rating (In)	20		kA
VPR 8/20µs			
L - N		1,300	Vpk
N - G		1,500	Vpk
Response Time		25	ns
SCCR (Short Circuit Current Rating)	25		kAIC

Mechanical Specifications

Size

Height	2.992 in	[76 mm]
Width	3.543 in	[89.99 mm]
Depth	1.417 in	[35.99 mm]
Weight	0.66 lbs	[299.37 g]
Housing Material and Plating	PA66 CT1; V-0	

Environmental Specifications

Temperature Range (Operational)	-40 to +80 deg C
Temperature Range (Storage)	-40 to +80 deg C
Environmental Protection Rating	IP 20
Humidity	90% non-condensing

Installation

Mount Type	DIN Rail
Service Wiring Terminal	
Compression Lug	#1 to #9 AWG
Status Indication Terminal	
3-Position Screw Terminal	#16 to #22 AWG

Compliance Certifications

REACH Compliant	06/29/2018
RoHS Compliant	Yes
CE Compliant	Yes
Certifications	IEC 61643-11 Class I+II

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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-t112-din-i2r-t112-2pg230-p.aspx

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I2R-T112-2PG230 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
X± .2 [5.08] | FRACTIONS ± 1/32
.XX± .01 [.25] | ANGLES ± 1°
.XXX± .005 [.13]
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	I2R-T112-2PG230	A

SHEET 1 OF 1
SCALE NTS

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