

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



## I2R-T112-1P230

### 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-T112-1P230 from Transtector is a DIN-Rail style SPD that utilizes state of the art MOV 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		
Frequency	50		400	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - N			275	Vac
Backup Fuse		200		A gL/gG

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
-------------	---------	---------	---------	-------

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-T112 DIN-Rail 230 Vac Single-Phase MOV 50 kA, IEC 61643-11 Class I+II, CE, RoHS I2R-T112-1P230](#)

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



## I2R-T112-1P230

Surge Protection Technology	MOV		
Protection Modes	L-N		
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
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	0.709 in	[18.01 mm]	
Weight	0.42 lbs	[190.51 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	95% 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

RoHS Compliant	Yes
CE Compliant	Yes
Certifications	IEC 61643-11 Class I+II

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-T112 DIN-Rail 230 Vac Single-Phase MOV 50 kA, IEC 61643-11 Class I+II, CE, RoHS I2R-T112-1P230

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

## I2R-T112-1P230



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.

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-T112 DIN-Rail 230 Vac Single-Phase MOV 50 kA, IEC 61643-11 Class I+II, CE, RoHS I2R-T112-1P230](https://www.transtector.com/ac-surge-protector-spd-i2r-t112-din-i2r-t112-1p230-p.aspx)

URL: <https://www.transtector.com/ac-surge-protector-spd-i2r-t112-din-i2r-t112-1p230-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.

**I2R-T112-1P230 CAD Drawing**

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

THE INFORMATION AND  
DESIGN IN THIS DOCUMENT  
IS THE PROPERTY OF  
TRANSTECTOR CORPORATION.  
ALL RIGHTS RESERVED.

**TRANSTECTOR**

10701 AIRPORT ROAD, HAYDEN, ID 83835  
PHONE: 1-208-635-6400 1-800-382-9110  
FAX: 1-208-956-2041  
www.transtector.com | e-mail: sales@transtector.com

SHEET 1 OF 1  
SCALE NTS  
SIZE A  
CAGE 30992 DRAWN BY HMB  
PART NUMBER I2R-T112-1P230 REV A

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS IN [ ] ARE INCHES  
DIMENSIONS IN ( ) ARE MILLIMETERS

**TOLERANCES:**

X $\pm$ .2 [ .08 ]	FRACTIONS
XX $\pm$ .01 [ .25 ]	$\pm$ 1/32
XXX $\pm$ .005 [ .13 ]	ANGLES $\pm$ 1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

T-Rev A