

DC Surge Protector SPD RRPA Indoor DIN-Rail Assy 48 Vdc, 20 kA MOV, GDT



RRPA-DTA

Features

- MOV/GDT Surge Protection
- Replaceable Suppression Modules
- Dry Contact Remote Annunciation Terminals
- Replaceable Fuses
- WAGO Cage Clamp Connectors
- Panel Mount DIN-Rail Assembly

Applications

- Railroad Signaling Systems

Description

DC surge protector (also known as SPD or lightning protector) RRPA-DTA from Transtector is a DIN-Rail Assy style SPD that utilizes state of the art MOV, GDT technology to protect critical equipment that operates on a 48 Vdc 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 DC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		48		Vdc
Current Rating			40	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			60	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV, GDT		
Surge Protection Modes		Signal to GND, Signal to Signal		
Response Time			25	ns
8/20 μ s Surge Current			20	kA
VPL 8/20 μ s L-G			375 @ 3000A	Vpk
Nominal Discharge Surge Current (In)		10		kA

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[DC Surge Protector SPD RRPA Indoor DIN-Rail Assy 48 Vdc, 20 kA MOV, GDT RRPA-DTA](#)

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Mechanical Specifications

Size

Height	7.75 in	[196.85 mm]
Width	4.73 in	[120.14 mm]
Depth	5.63 in	[143 mm]
Weight	2.35 lbs	[1.07 kg]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Humidity	<95% non-condensing

Installation

Mount Type	DIN-Rail, Wall/Panel
Service Wiring Terminal	
Spring Cage Clamp	#24 to #6 AWG
Status Indication Terminal	
3-Position Screw Terminal	#22 to #12 AWG

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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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.

RRPA-DTA CAD Drawing

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

WAGO CAGE CLAMP BLOCK FOR GROUND

WAGO CAGE CLAMP BLOCK FOR REMOTE SUPPRESSION STATUS WIRING

REPLACEABLE I2R SUPPRESSION MODULE

VISUAL SUPPRESSION STATUS INDICATORS

2X SLOTS FOR PANEL MOUNTING

6.75 [171.5]

4.73 [120.2]

5.31 [134.9]

WAGO CAGE CLAMP CONNECTORS FOR IN/OUT SERVICE WIRING

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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SCALE 1:3

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SIZE CAGE DRAWN BY PART NUMBER REV

A 30992 HMB RRPA-DTA A

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