TRANSTECTOR
an INFINITE brand

DC Surge Protector SPD DRDC Indoor DIN-Rail 48 Vdc, Full-Mode SASD UL 497B, Class I/Div II, ATEX



1101-681
DRDC 48

Features

- 100% SASD Protection
- Fused
- Compact Case Protects 2 Pairs
- Grounding DIN Foot

Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

Description

DC surge protector (also known as SPD or lightning protector) 1101-681 from Transtector is a UL 497B, Class I/Div II, ATEX DIN-Rail style SPD that utilizes state of the art SASD 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			10	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			64	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Surge Protection Modes		Supply to GND		
Response Time			5	ns
VPL 8/20µs L-G			120 @ 1200A	Vpk
VPL 10/1000µs			100 @ 134A	Vpk

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 DRDC Indoor DIN-Rail 48 Vdc, Full-Mode SASD UL 497B, Class I/Div II, ATEX 1101-681

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Mechanical Specifications

Size

Height	4 in	[101.6 mm]
Width	0.5 in	[12.7 mm]
Depth	4 in	[101.6 mm]
Weight	0.2 lbs	[90.72 g]
Housing Material and Plating	Plastic	

Environmental Specifications

Temperature

Operating Range	-40 to +65 deg C
Storage Range	-40 to +65 deg C
Humidity	95% non-condensing

Installation

Mount Type	DIN-Rail
Service Wiring Terminal	
Screw Terminal	#28 to #12 AWG

Compliance Certifications

CE Compliant	Yes
UL Compliant	Yes
Hazardous Locations	Yes
Certifications	UL 497B FM US/Canada Class I Div II IEEE C 62.40 Aex/EX nA IIC Gc Tamb -40C to +65C Class 1 Div 2 Groups A,B,C,D T4A Tamb -40C to +65C CE EX II 3 G Ex nA T4 Gc Tamb -40C to +65C FM10ATEX0002X

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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.

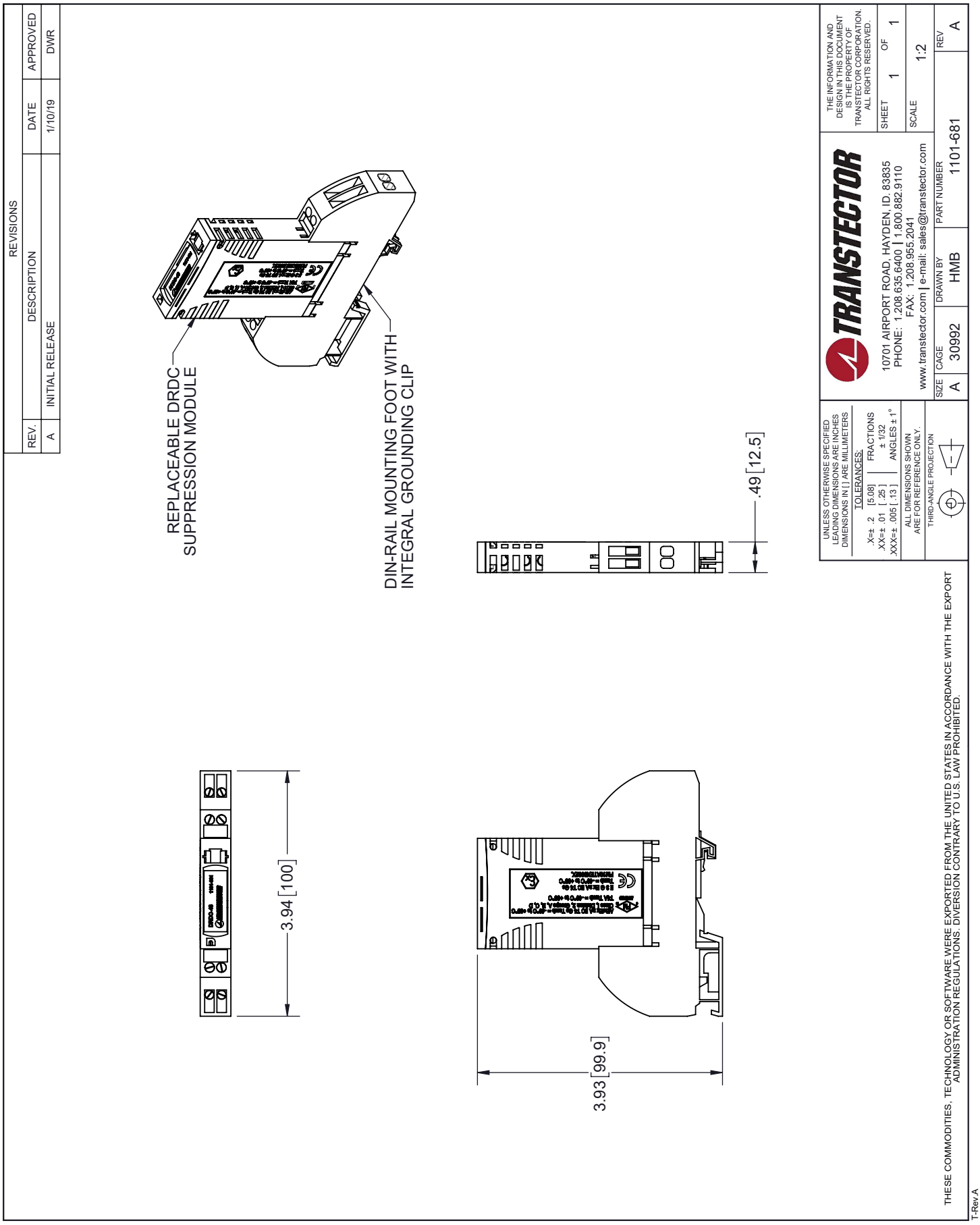
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URL: https://www.transtector.com/dc-surge-protector-spd-drdc-indoor-din-1101-681-p.aspx

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.

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1101-681 CAD Drawing



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