TRANSTECTOR™
an INFINITE brand

DC Surge Protector SPD DC DEFENDER Outdoor Clamshell 48 Vdc, Full-Mode, 5 kA SASD EN/IEC 60950-1, Class I/Div II, ATEX, Fused



1101-1110
DC Defender 48-5

Features
- UL 497B, Class I/Div II, ATEX
- 100% SASD Protection
- Screw Terminal Block
- Pole or Wall Mount

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) 1101-1110 from Transtector is a UL 497B, Class I/Div II, ATEX Clamshell 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			15	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			60	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Surge Protection Modes		DC+ to DC-, DC+ to GND, DC- to GND		
Response Time			5	ns
8/20µs Surge Current			5	kA
VPL 8/20µs L-G			97 @ 500A	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 DC DEFENDER Outdoor Clamshell 48 Vdc, Full-Mode, 5 kA SASD EN/IEC 60950-1, Class I/Div II, ATEX, Fused 1101-1110

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Mechanical Specifications

Size		
Height	7.17 in	[182.12 mm]
Width	5.69 in	[144.53 mm]
Depth	1.65 in	[41.91 mm]
Weight	1 lbs	[453.59 g]
Housing Material and Plating	Aluminum	

Environmental Specifications

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

Installation

Mount Type	Pole, Wall/Panel
Service Wiring Terminal	
Copper Lug	#14 to #10 AWG

Compliance Certifications

RoHS Compliant	Yes
CE Compliant	Yes
UL Compliant	Yes
ANSI Compliant	Yes
Hazardous Locations	Yes
Certifications	UL 497B CSA IEC 60950 ETL 60950-1 60Vdc, 15A IP54 Class 1 Div 2 Groups A,B,C,D T4 Class 1 Zone 2 AEx nA IIC T4 Gc Class 1 Zone 2 Ex nA IIC T4 Gc

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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.

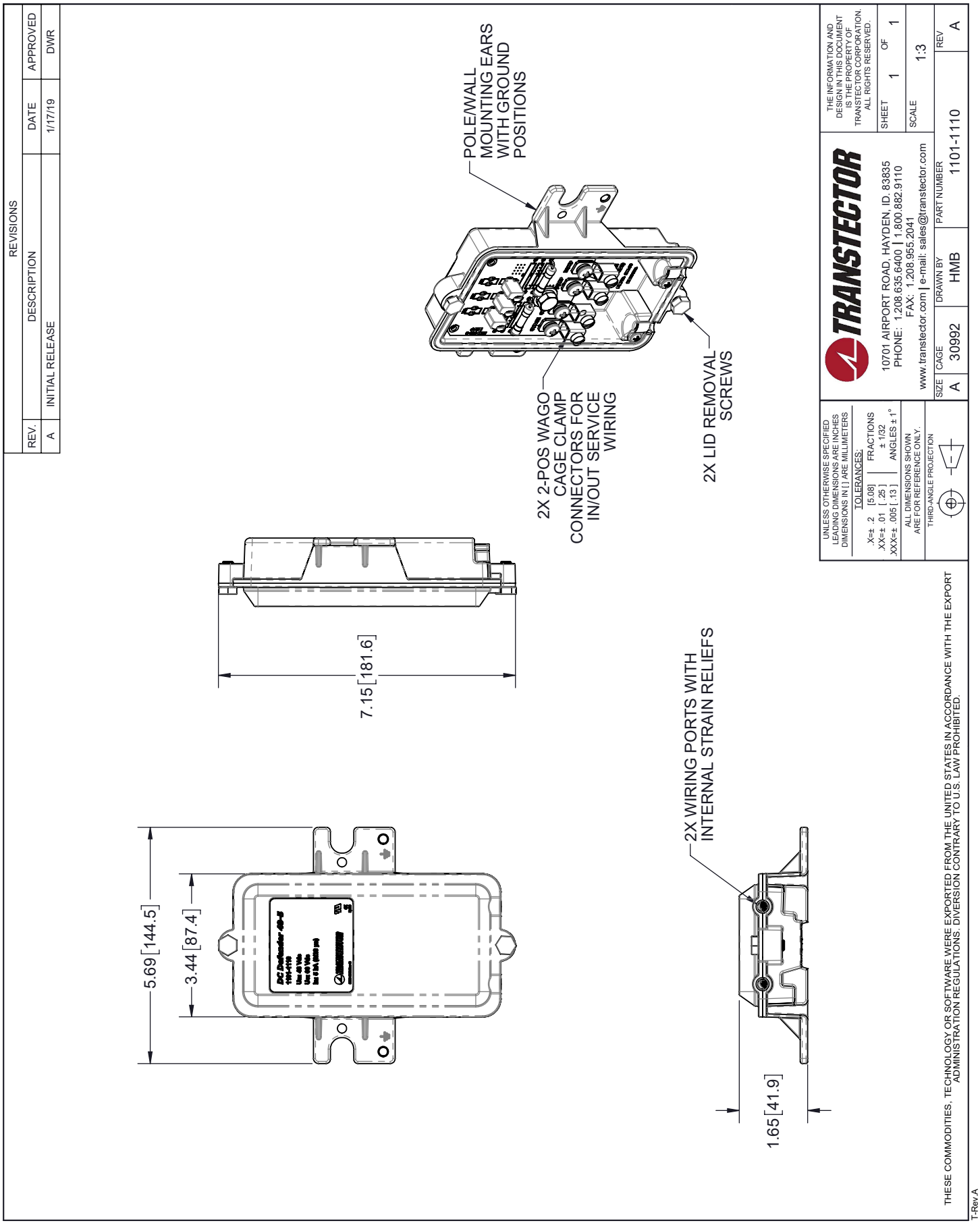
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URL: https://www.transtector.com/dc-surge-protector-spd-dc-defender-outdoor-1101-1110-p.aspx

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1101-1110 CAD Drawing



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