

DC Surge Protector SPD DC DEFENDER Outdoor Clamshell 48 Vdc,
 Full-Mode, 5 kA SASD UL 497B, Class I/Div II, ATEX Fused



1101-1110-KT

DC Defender 48-5 with Bracket

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-KT 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
8/20 μ s Surge Current			5	kA
VPL 8/20 μ s 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 UL 497B, Class I/Div II, ATEX Fused 1101-1110-KT](#)

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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	1.3 lbs	[589.67 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
UL Compliant	Yes
ANSI Compliant	Yes
Hazardous Locations Certifications	Yes UL 497B CSA ETL 60950-1 EN 60079-0 EN 60079-15 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 CE Ex II 3 G Ex nA T4 Gc -40C<= Tamb +65C

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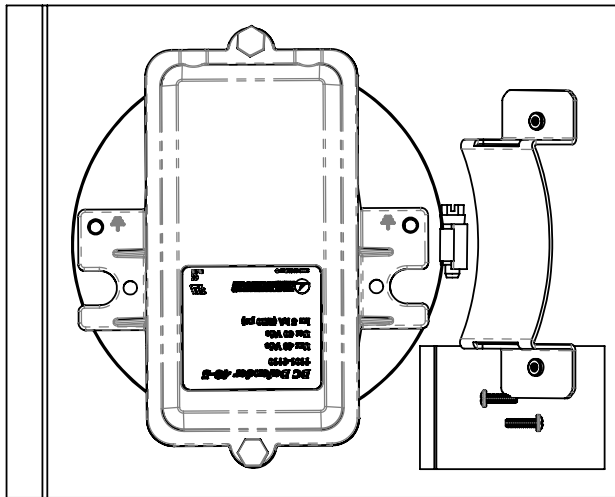
URL: <https://www.transtector.com/dc-surge-protector-spd-dc-defender-outdoor-1101-1110-kt-p.aspx>

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1101-1110-KT CAD Drawing

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



KIT CONTENTS:

QTY	DESCRIPTION
1	DC DEFENDER 48-5
1	HOSE CLAMP SAE 72 SCREW SS 9/16 X 2.5-4.5
1	ALPU BRACKET
2	SCREW 6-32 X 1/2" STL ZN PLT

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

TOLERANCES:
 .X±.2 [5.08]
 .XX±.01 [.25]
 .XXX±.005 [.13]

FRACTIONS ± 1/32
 ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
 THIRD-ANGLE PROJECTION

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SIZE: A CAGE: 30992 DRAWN BY: HMB PART NUMBER: 1101-1110-KT

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SHEET 1 OF 1
 SCALE 1:3
 REV A

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