

DC Surge Protector SPD DRDC Indoor DIN-Rail 7 Vdc,
 Full-Mode SASD UL 497B, Class I/Div II, ATEX

1101-678 DRDC 7



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) 1101-678 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 7 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		7		Vdc
Current Rating			10	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			13	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			25 @ 1400A	Vpk
VPL 10/1000µs			20 @ 164A	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 7 Vdc, Full-Mode SASD UL 497B, Class I/Div II, ATEX 1101-678](#)

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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	0.1 lbs	[45.36 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 62.41 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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1101-678 CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/10/19
		APPROVED DWR

3.94 [100]

3.93 [99.9]

.49 [12.5]

REPLACEABLE DRDC SUPPRESSION MODULE

DIN-RAIL MOUNTING FOOT WITH INTEGRAL GROUNDING CLIP

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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TRANSTECTOR

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SHEET 1 OF 1
 SCALE 1:2

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	1101-678	A

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