

DC Surge Protector SPD DRDC Indoor DIN-Rail 12 Vdc,
Full-Mode SASD UL 497B, Class I/Div II, ATEX

1101-679
DRDC 12



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) 1101-679 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 12 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 | 12 | | | Vdc |
| Current Rating | | | 10 | A |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| MCOV DC | | | 16 | 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 | | | 30 @ 1200A | Vpk |
| VPL 10/1000μs | | | 25 @ 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 12 Vdc, Full-Mode SASD UL 497B, Class I/Div II, ATEX 1101-679](#)

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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 62.38 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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1101-679 CAD Drawing

