

DC Surge Protector SPD DC DEFENDER Outdoor Clamshell 48 Vdc, Full-Mode, 5 kA SASD NEMA 3R

1101-1027
DCOD 48-5



Features

- NEMA 3R
- 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) 1101-1027 from Transtector is a NEMA 3R 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			25	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			88	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			100 @ 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 NEMA 3R 1101-1027](#)

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Mechanical Specifications

Size

Height	2.5 in	[63.5 mm]
Width	5.87 in	[149.1 mm]
Depth	7.19 in	[182.63 mm]
Weight	1 lbs	[453.59 g]
Housing Material and Plating	Noryl N190X	

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Environmental Protection (IP) Rating	IP55
NEMA Rating	3R

Installation

Mount Type	Pole, Wall/Panel
Service Wiring Terminal	
Screw Terminal	#20 to #6 AWG
Status Indication Terminal	
3-Position Screw Terminal	#22 to #16 AWG

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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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.

1101-1027 CAD Drawing

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

4.68 [119]

6.40 [162.6]

4X LID REMOVAL SCREWS

2X WEATHERIZED STRAIN RELIEFS FOR IN/OUT SERVICE WIRING

2X 2-POS WAGO CAGE CLAMP TERMINAL BLOCKS FOR IN/OUT SERVICE WIRING

GROUND LUG

2.50 [63.5]

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

TOLERANCES:

.X±.2 [5.08] FRACTIONS ±.132

XX±.01 [.25] ANGLES ±1°

XXX±.005 [.13]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE 1:3

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	1101-1027	A

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