

DC Surge Protector SPD 3DC48-20 Indoor Brick 48 Vdc,  
3x Ckt Full-Mode, 30 kA MOV UL 497B

**1101-1014**  
**3DC48-20**



## Features

- UL 497B
- High Continuous Power Rating
- High Capacity MOV Surge Protection
- Power/Suppression Status LEDs
- Terminal Block Connectivity
- 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) 1101-1014 from Transtector is a UL 497B brick style SPD that utilizes state of the art MOV 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			20	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			60	Vdc

## Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Surge Protection Modes		DC+ to DC-, DC+ to GND, DC- to GND		
Response Time			25	ns
8/20 $\mu$ s Surge Current			30	kA

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 3DC48-20 Indoor Brick 48 Vdc, 3x Ckt Full-Mode, 30 kA MOV UL 497B 1101-1014](#)

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## Mechanical Specifications

### Size

Height	3.57 in	[90.68 mm]
Width	6 in	[152.4 mm]
Depth	2.54 in	[64.52 mm]
Weight	1.6 lbs	[725.75 g]
Housing Material and Plating	ABS	

## Environmental Specifications

### Temperature

Operating Range	-40 to +65 deg C
Storage Range	-40 to +65 deg C
Humidity	90% non-condensing

## Installation

Mount Type	Panel
Service Wiring Terminal	
Screw Terminal	#20 to #6 AWG

## Compliance Certifications

UL Compliant	Yes
Certifications	UL 497B

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-3dc48-20-indoor-1101-1014-p.aspx>

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## 1101-1014 CAD Drawing

