

DC Surge Protector SPD DCPM Indoor DIN-Rail 12, 24, 28, 48, 60 Vdc, Full-Mode, 60 kA MOV HEMP Tested

HT-DI-DCPM-48D DCPM HT



Features

- EMP Protection Level 3
- Tested for HEMP
- Tested for Conducted and Induced Lightning
- Dual-Mode DC Protection
- Fail-Short Technology
- Compression Lug Wiring
- DIN-Rail 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) HT-DI-DCPM-48D from Transtector is an EMP Protection Zone 3 DIN-Rail 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		12/24/28/48/60		Vdc
Current Rating			120	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			75	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
8/20µs Surge Current		20	60	kA
10/350µs Surge Current		5		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 DCPM Indoor DIN-Rail 12, 24, 28, 48, 60 Vdc, Full-Mode, 60 kA MOV HEMP Tested HT-DI-DCPM-48D](#)

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E1 20/500ns Surge Current	5		kA
E2 1.5/3000µs Surge Current	250		A
VPR 8/20µs L-G		330	Vpk
VPL 8/20µs L-G		650	Vpk
SCCR (Short Circuit Current Rating)	25		kAIC

Mechanical Specifications

Size

Height	4.61 in	[117.09 mm]
Width	1.68 in	[42.67 mm]
Depth	2.88 in	[73.15 mm]
Weight	2 lbs	[907.18 g]
Housing Material and Plating	Plastic	

Environmental Specifications

Temperature

Operating Range	-35 to +80 deg C
Storage Range	-35 to +80 deg C

Installation

Mount Type	DIN-Rail
Service Wiring Terminal	
Compression Lug	#14 to #1/0 AWG
Status Indication Terminal	
2 Pin Connector	#30 to #14 AWG

Compliance Certifications

RoHS Compliant	Yes
UL Compliant	Yes
Certifications	UL 1449 4th Ed. IEC 61643-11

Standards

HEMP Tested per	MIL-STD-188-125
EMP Protection Levels	Levels 1, 2, 3

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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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HT-DI-DCPM-48D CAD Drawing

