

DC Surge Protector SPD E3PM Outdoor Brick 12, 24, 28 Vdc, 6 Wire  
3 DC Pair or 1 Parallel DC Pair, 5 kA SASD, GDT HEMP Tested

## HT-DO-E3PM-283

### E3PM HT S30



#### Features

- EMP Protection Level 3
- High DC Power Throughput
- Tested for HEMP and Lightning
- Dual-Mode Multi-Stage DC Protection
- MIL Shell Input Connectors, Stud Outputs
- Bulkhead 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-DO-E3PM-283 from Transtector is an EMP Protection Zone 4 brick style SPD that utilizes state of the art SASD, GDT technology to protect critical equipment that operates on a 28 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		Vdc
Current Rating	13		30	A

#### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, GDT		
Surge Protection Modes		Supply to GND, RET to GND		
Response Time			5	ns
8/20 $\mu$ s Surge Current			5	kA
E1 20/500ns Surge Current	5			kA
E2 1.5/3000 $\mu$ s Surge Current	250			A

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 E3PM Outdoor Brick 12, 24, 28 Vdc, 6 Wire 3 DC Pair or 1 Parallel DC Pair, 5 kA SASD, GDT HEMP Tested HT-DO-E3PM-283](#)

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#### Mechanical Specifications

##### Size

Height	2.75 in	[69.85 mm]
Width	2.75 in	[69.85 mm]
Depth	5.87 in	[149.1 mm]
Weight	2 lbs	[907.18 g]
Housing Material and Plating	6061-T6 Aluminum	

#### Environmental Specifications

##### Temperature

Operating Range	-55 to +85 deg C
Storage Range	-55 to +85 deg C

#### Installation

Mount Type	Bulkhead
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#### Standards

HEMP Tested per EMP Protection Levels	MIL-STD-188-125 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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URL: <https://www.transtector.com/dc-surge-protector-spd-e3pm-outdoor-brick-ht-do-e3pm-283-p.aspx>

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.

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### HT-DO-E3PM-283 CAD Drawing

