Data Surge Protector SPD MDPS Outdoor 2 Port
Gigabit Ethernet PoE Shielded RJ45 GDT

MDPS-2GT
MDPS

Features
- Multiple Protected Ports
- Scalable Protection using DPR Modules
- Outdoor Enclosure
- Wall Mount

Applications
- Gigabit Ethernet/PoE Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

Description

Data surge protector (also known as SPD or lightning protector) MDPS-2GT from Transtector is an outdoor style SPD that utilizes state of the art GDT technology to protect critical equipment in Gigabit Ethernet PoE protocol data networks while remaining transparent to data throughput. 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 absorbing high amounts of transient energy while maintaining a very low clamping voltage. Transtector Data Signal surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP		
Data Protocols		Gigabit Ethernet PoE		
Data Rate			1,000	Mb/s
Characteristic Impedance			100	Ohms
Series Impedance (Data)				
			1	Ohms
Vdc Rating (Data)	48		60	Vdc
PoE Power			15	W
PoE Current Per Pin			300	mA

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Data Surge Protector SPD MDPS Outdoor 2 Port Gigabit Ethernet PoE Shielded RJ45 GDT MDPS-2GT

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Protected Pins	[1,2], [3,6], [4,5], [7,8]	
Protection Modes	L-G, S-G	

8/20μs Surge Current		
L-G	1	kA

Response Time	75	ns

Mechanical Specifications
Size

Height	15.2 in	[386.08 mm]
Width	12.5 in	[317.5 mm]
Depth	5.8 in	[147.32 mm]
Weight	1 lbs	[453.59 g]

Environmental Specifications

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +75 deg C
Environmental Protection Rating	NEMA 4X

Installation

Mount Type	Wall
Grounding	Compression Lug #14 - #6 AWG

Compliance Certifications

RoHS Compliant	Yes

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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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Data Surge Protector SPD MDPS Outdoor 2 Port Gigabit Ethernet PoE Shielded RJ45 GDT MDPS-2GT

URL: https://www.transtector.com/data-surge-protector-spd-mdps-outdoor-2-mdps-2gt-p.aspx

MDPS-2GT CAD Drawing

4X UNDRILLED WALL MOUNTING LOCATIONS

GROUND LUG

4X WIRING GROMMETS FOR IN/OUT SERVICE WIRING AND GROUND

2 SETS SHIELDED RJ-45 JACKS LINE/EQUIP

5.81 [147.7]

12.54 [318.5]

11.30 [287]

15.20 [386.1]

PADLOCK HASP

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/21/19	DWR

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

TOLERANCES:
X=± .2 [5.08]   FRACTIONS
XX=± .01 [.25]   ± 1/32
XXX=± .005 [.13]   ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

TRANSTECTOR

10701 AIRPORT ROAD, HAYDEN, ID. 83835
PHONE: 1.208.635.6400 | 1.800.882.9110
FAX: 1.208.955.2041
www.transtector.com | e-mail: sales@transtector.com

SIZE	CAGE	DRAWN BY	PART NUMBER
A	30992	HMB	MDPS-2GT

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SHEET 1 OF 1

SCALE 1:8

REV A

T-Rev A

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