

## Data Surge Protector SPD THUNDERBOLT Outdoor 10/100 Base-T Ethernet/PoE+ RJ45 GDT, TBU

**1101-1028**  
TB 10/100/PoE



### Features

- Models for All Common Ethernet/PoE Protocols
- Ground Screws for Dual Lug
- IP67 When Provided Strain Reliefs Installed
- One IP67 Strain Relief Included
- Bulkhead Mount
- Pole Mount Kit 9100-0521

### Applications

- 10/100 Base-T 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) 1101-1028 from Transtector is an outdoor style SPD that utilizes state of the art TBU/GDT technology to protect critical equipment in 10/100 Base-T 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		RJ45		
Compatible Cables		Cat5/5e UTP		
Data Protocols		10/100 Base-T Ethernet/PoE+		
Data Rate			100	Mb/s
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		48	60	Vdc

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT, TBU		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G		

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 THUNDERBOLT Outdoor 10/100 Base-T Ethernet/PoE+ RJ45 GDT, TBU 1101-1028](#)

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8/20μs Surge Current		
L-G	5	kA
Response Time	75	ns

### Mechanical Specifications

#### Size

Height	1.41 in	[35.81 mm]
Width	1.41 in	[35.81 mm]
Depth	3.97 in	[100.84 mm]
Weight	0.5 lbs	[226.8 g]

### Environmental Specifications

Operating Temperature	-40 to +75 deg C
Storage Temperature	-40 to +75 deg C

Environmental Protection Rating	IP67
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### Installation

Mount Type	Bulkhead
Installation Hardware	Strain Relief, Shroud Gasket, M29 Nut, M29 Flat Washer, Bulkhead Gasket, Ground Screw
Grounding	10-32 x 1/4 PH Screw

### 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.

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