

Data Surge Protector SPD THUNDERBOLT Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, GDT CE Compliant, with Ground Kit



1101-1080

Features

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

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) 1101-1080 from Transtector is an outdoor style SPD that utilizes state of the art SASD/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
Series Impedance (Data) 1			1	Ohms
Capacitance (Common)			15	pF
Power over Ethernet Protocols			PoE	
Vdc Rating (Data)		48	60	Vdc
PoE Power			100	W
PoE Current Per Pin			750	mA

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G		
10/1000µs Surge Current L-G			100	A

Data Surge Protector SPD THUNDERBOLT Outdoor
Gigabit Ethernet/PoE++ Shielded RJ45 SASD,
GDT CE Compliant, with Ground Kit



1101-1080

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
8/20 μ s Surge Current				
L-G			5	kA
Response Time			5	ns

Mechanical Specifications

Size

Length	1.41 in	[35.81 mm]
Width/Diameter	1.41 in	[35.81 mm]
Height	3.97 in	[100.84 mm]
Weight	1.5 lbs	[680.39 g]

Environmental Specifications

Temperature

Operating Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C
Environmental Protection Rating	IP67

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, 16mm ² Wire, Ring Terminal, 2 Hole Lug

Compliance Certifications

CE Compliant	Yes
Certifications	CE 60950-1

Data Surge Protector SPD THUNDERBOLT Outdoor
Gigabit Ethernet/PoE++ Shielded RJ45 SASD,
GDT CE Compliant, with Ground Kit

1101-1080



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 THUNDERBOLT Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, GDT CE Compliant, with Ground Kit 1101-1080](https://www.transtector.com/data-surge-protector-spd-thunderbolt-outdoor-gigabit-1101-1080)

URL: <https://www.transtector.com/data-surge-protector-spd-thunderbolt-outdoor-gigabit-1101-1080>

The information contained within 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 liability arising out of the use of any part or document.

1101-1080 CAD Drawing

Data Surge Protector SPD THUNDERBOLT Outdoor Gigabit Ethernet/
PoE++ Shielded RJ45 SASD, GDT CE Compliant, with Ground Kit

