

## Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD CE Compliant, IEC60950-1, ATEX, IECEx, UL



### 1101-959 ALPU PTP M

#### Features

- UL/IEC60950-1, ATEX, IECEx
- Models for all Common Ethernet/PoE Protocols
- Shielded RJ-45
- Pole or 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) 1101-959 from Transtector is an outdoor style SPD that utilizes state of the art SASD 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
Capacitance (Common)			15	pF
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		75	90	Vdc
PoE Power			90	W
PoE Current Per Pin			1	A

#### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		

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 ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD CE Compliant, IEC60950-1, ATEX, IECEx, UL 1101-959](#)

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Protected Pins	[1,2], [3,6], [4,5], [7,8]		
Protection Modes	L-G		
10/1000µs Surge Current			
L-G		100	A
Vpl 10/1000µs			
L-G	134 @ 100A		Vpk
Response Time		5	ns

**Mechanical Specifications**

**Size**

Height	7.14 in	[181.36 mm]
Width	5.69 in	[144.53 mm]
Depth	1.65 in	[41.91 mm]
Weight	0.8 lbs	[362.87 g]

**Environmental Specifications**

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

Environmental Protection Rating	NEMA 3R
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**Installation**

Mount Type	Pole/Wall
Installation Hardware	#6 X 1" Self-Tapping Screw, Anchor
Grounding	1/4-20 Screw, Washer

**Compliance Certifications**

RoHS Compliant	Yes
CE Compliant	Yes
UL Compliant	Yes
Hazardous Locations	Yes
Certifications	ATEX IECEX IEC60950-1 ETL 60950-1

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Haz Loc Ratings 85Vdc, 4A (1A per line) IP54  
Class 1 Division 2 Groups A,B,C,D T6  
Class 1 Zone 2 AEx nA IIC T6 Gc  
Class 1 Zone 2 Ex nA IIC T6 Gc  
CE EX II 3 G Ex nA IIC T6 Gc -40C<= +70C

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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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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1101-959 CAD Drawing

