

Data Surge Protector SPD ALPU Outdoor 10/100 Base-T Ethernet/PoE+ RJ45 Screw Terminal SASD

1101-656 ALPU TSU



Features

- Models for all Common Ethernet/PoE Protocols
- RJ-45 or Screw-Term Block
- Pole or Wall Mount

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) 1101-656 from Transtector is an outdoor style SPD that utilizes state of the art SASD 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 to Screw-Term Block			
Compatible Cables	Cat5/5e UTP/STP, Cat6/6A STP			
Data Protocols	10/100 Base-T Ethernet/PoE+			
Data Rate			100	Mb/s
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		48	13	Vdc
Voltage Rating (DC)			60	Vdc

Surge Protection Specification

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

10/1000µs Surge Current

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 10/100 Base-T Ethernet/PoE+ RJ45 Screw Terminal SASD 1101-656](#)

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L-G		200	A
8/20μs Surge Current			
L-G		2.5	kA
Vpl 10/1000μs			
L-G	21.5 @ 200A	86 @ 200A	Vpk
Vpl 8/20μs			
L-G	27 @ 2.5kA	108 @ 2.5kA	Vpk
L-G	27 @ 2.5kA	108 @ 2.5kA	Vpk
Response Time		5	ns

Mechanical Specifications

Size

Height	6.4 in	[162.56 mm]
Width	4.68 in	[118.87 mm]
Depth	2.5 in	[63.5 mm]
Weight	1.35 lbs	[612.35 g]

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C
Storage Range	-40 to +80 deg C

Environmental Protection Rating	NEMA 3R
Humidity	99% non-condensing

Installation

Mount Type	Wall
Installation Hardware	#6 X 1" Self-Tapping Screw, Anchor, Screw-Term Block #22 - #16 AWG
Grounding	Compression Lug #2 - #8 AWG

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Ethernet/PoE+ RJ45 Screw Terminal SASD

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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/data-surge-protector-spd-alpu-outdoor-10-1101-656-p.aspx>

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1101-656 CAD Drawing

