

## Data Surge Protector SPD ALPU Outdoor 10/100 Base-T Ethernet/ PoE+ 110 Punch Down Block SASD, UL 497, Primary Protector

**1101-640**  
ALPU ALVR



### Features

- UL 497
- Models for all Common Ethernet/PoE Protocols
- Punch Down Block Model
- 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) 1101-640 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		110 Punch Down Block		
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)		55	90	Vdc
PoE Power			55	W
PoE Current Per Pin			1	A

### 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		

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+ 110 Punch Down Block SASD, UL 497, Primary Protector 1101-640](#)

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10/1000 $\mu$ s Surge Current			
L-G		150	A
8/20 $\mu$ s Surge Current			
L-G		1.5	kA
V <sub>pl</sub> 10/1000 $\mu$ s			
L-G	130 @ 150A		V <sub>pk</sub>
V <sub>pl</sub> 8/20 $\mu$ s			
L-G	152 @ 1500A		V <sub>pk</sub>
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	1.45 lbs	[657.71 g]

### Environmental Specifications

Operating Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

Environmental Protection Rating	NEMA 3R
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### Installation

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

### Compliance Certifications

UL Compliant Certifications	Yes UL 497
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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-10-1101-640-p.aspx>

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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1101-640 CAD Drawing

