

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++
 Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B



ALPU-F140

ALPU Fit

Features

- UL 497B, EN/IEC60950-1
- Gigabit Ethernet/PoE++
- Patented Weatherized Wiring Grommet
- Configurable Weep Holes
- Shielded RJ-45
- Conformal Coated PCBA
- Dielectric Lube to Weatherize RJ-45 Connections
- 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) ALPU-F140 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
Characteristic Impedance			100	Ohms
Power over Ethernet Protocols		PoE++		
Vdc Rating (Data)		48	60	Vdc
PoE Power			100	W
PoE Current Per Pin			1.5	A

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, GDT CE Compliant, EN/IEC 60950-1, UL 497B ALPU-F140](#)

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++
 Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B



ALPU-F140

ALPU Fit

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, L-L, S-G		
8/20 μ s Surge Current				
L-G			2	kA
L-L			0.1	kA
S-G			20	kA
Response Time			5	ns

Mechanical Specifications

Size

Height	4.5 in	[114.3 mm]
Width	4 in	[101.6 mm]
Depth	1.7 in	[43.18 mm]
Weight	0.33 lbs	[149.69 g]

Environmental Specifications

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +75 deg C
Environmental Protection Rating	IP65, NEMA 3R
Mount Type	Pole/Wall
Installation Hardware	Combination Drive Screw
Grounding	#10 - #12 AWG Ring Terminal

Compliance Certifications

CE Compliant	Yes
UL Compliant	Yes
Certifications	UL 497B EN/IEC 60950-1 NOM

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, GDT CE Compliant, EN/IEC 60950-1, UL 497B ALPU-F140](#)

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++
Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B

ALPU-F140

ALPU Fit



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 ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B ALPU-F140](https://www.transtector.com/data-surge-protector-spd-alpu-outdoor-gigabit-alpu-f140-p.aspx)

URL: <https://www.transtector.com/data-surge-protector-spd-alpu-outdoor-gigabit-alpu-f140-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.

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B

ALPU-F140 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR

4.02 [102.2]

4.45 [113.0]

SLOT FOR TIE WRAP INSTALLATION

1.69 [43.0]

WEATHERIZED GROMMET WITH 3 POSITIONS FOR IN/OUT SERVICE WIRING AND GROUND

GROUND LUG

2X SHIELDED RJ-45 JACKS LINE/EQUIP

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X±.2 [5.08] FRACTIONS ±.1/32

.XX±.01 [25] ANGLES ±1°

XXX±.005 [13]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR CORPORATION. ALL RIGHTS RESERVED.

TRANSTECTOR

10701 AIRPORT ROAD, HAYDEN, ID. 83835
 PHONE: 1.208.635.6400 | 1.800.882.9110
 FAX: 1.208.955.2041
 www.transtector.com | e-mail: sales@transtector.com

SIZE: A CAGE: 30992 DRAWN BY: HMB PART NUMBER: ALPU-F140 REV: A

SHEET 1 OF 1
SCALE 1:2

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

T-Rev.A