

Data Surge Protector SPD CPX Indoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, MOV, GDT CE Compliant, UL 497B



1000-1117

Features

- EN/IEC 60950-1, Class I/Div II, ATEX
- UL 497B
- Purpose Designed Modules for all Common Data Protocols
- RJ-45 Connectivity
- Mount into CPX Chassis 16-Port 1101-972 or 4-Port 1101-1137

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) 1000-1117 from Transtector is an indoor style SPD that utilizes state of the art SASD/MOV/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)		60	70	Vdc
PoE Power			100	W
PoE Current Per Pin			1.2	A

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, MOV, 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 CPX Indoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, MOV, GDT CE Compliant, UL 497B



1000-1117

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
8/20 μ s Surge Current				
L-G			10	kA
V _{pl} 10/1000 μ s		160 @ 100A		
L-G				
Response Time			5	ns

Mechanical Specifications

Size

Length	0.99 in	[25.15 mm]
Width/Diameter	1.63 in	[41.4 mm]
Height	2.48 in	[62.99 mm]
Weight	0.15 lbs	[68.04 g]

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +65 deg C

Environmental Specification Notes:

Installation

Mount Type	Protection Module Bay
Installation Hardware	4-20 x 3/8" Plastite Screws

Compliance Certifications

CE Compliant	Yes
UL Compliant	Yes
Hazardous Locations	Yes
Certifications	UL 497B ETL 60950-1 Haz Loc Class 1 Division 2 Groups A,B,C,D T6 Class 1 Zone 2 AEx ec nC IIC T6 Gc Ex ec nC IIC T6 Gc II 3 G Ex ec nC IIC T6 Gc ITS14ATEX48147X ETL14CA101699377X

Data Surge Protector SPD CPX Indoor Gigabit
Ethernet/PoE++ Shielded RJ45 SASD, MOV,
GDT CE Compliant, UL 497B

1000-1117



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.

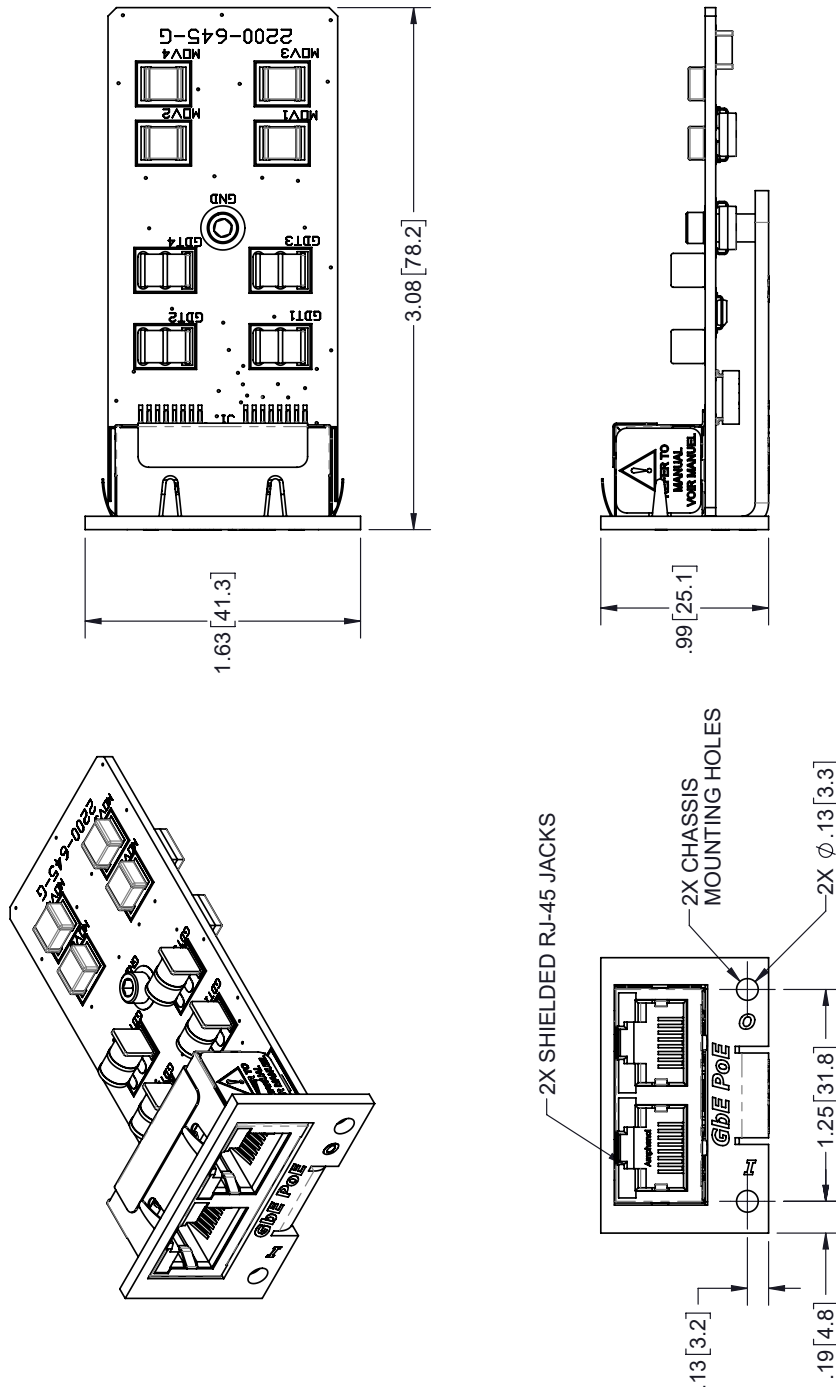
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Surge Protector SPD CPX Indoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, MOV, GDT CE Compliant, UL 497B 1000-1117](https://www.transtector.com/data-surge-protector-spd-cpx-indoor-gigabit-1000-1117)

URL: <https://www.transtector.com/data-surge-protector-spd-cpx-indoor-gigabit-1000-1117>

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.

Data Surge Protector SPD CPX Indoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD, MOV, GDT CE Compliant, UL 497B

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/10/19	DWR



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS				SIZE	CAGE	DRAWN BY	PART NUMBER	REV
TOLERANCES				A	30992	HMB	1000-1117	A
X±.2 .2 [9.08] FRACTIONS .XX±.01 [25] ±1/32 XXX±.006 [13] ANGLES ±1°								
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.								
THIRD-ANGLE PROJECTION								

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.