

Data Surge Protector SPD CPX Indoor Gigabit Ethernet RJ45 GDT, TBU CE Compliant, UL 497A

1000-1270 CPX GbE Module



Features

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

Applications

- Gigabit Ethernet 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) 1000-1270 from Transtector is an indoor style SPD that utilizes state of the art TBU/GDT technology to protect critical equipment in Gigabit Ethernet 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 | | |
| Compatible Cables | | Cat5/5e UTP | | |
| Data Protocols | | Gigabit Ethernet | | |
| Data Rate | | | 1,000 | Mb/s |
| Series Impedance (Data) | | | 9 | Ohms |
| Capacitance (Common) | | | 3 | pF |
| Vdc Rating (Data) | | 3.3 | 11 | Vdc |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|-----------------------------|---------|----------|---------|-------|
| Surge Protection Technology | | GDT, TBU | | |

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 RJ45 GDT, TBU CE Compliant, UL 497A 1000-1270](#)

Data Surge Protector SPD CPX Indoor Gigabit Ethernet RJ45 GDT, TBU CE Compliant, UL 497A

1000-1270 CPX GbE Module



| | | | |
|-------------------------|----------------------------|----|--|
| Protected Pins | [1,2], [3,6], [4,5], [7,8] | | |
| Protection Modes | L-G, L-L | | |
| 10/1000µs Surge Current | | | |
| L-G | 100 | A | |
| 8/20µs Surge Current | | | |
| L-G | 20 | kA | |
| Response Time | 75 | ns | |

Mechanical Specifications

Size

| | | |
|--------|---------|------------|
| Height | 0.99 in | [25.15 mm] |
| Width | 1.63 in | [41.4 mm] |
| Depth | 3.08 in | [78.23 mm] |
| Weight | 0.1 lbs | [45.36 g] |

Environmental Specifications

| | |
|-----------------------|-----------------------------|
| Operating Temperature | -40 to +75 deg C |
| Storage Temperature | -40 to +75 deg C |
| Mount Type | Protection Module Bay |
| Installation Hardware | 4-20 x 3/8" Plastite Screws |

Compliance Certifications

| | |
|----------------|---|
| CE Compliant | Yes |
| UL Compliant | Yes |
| Certifications | UL 497A EN/IEC 60950-1 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 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 CPX Indoor Gigabit Ethernet RJ45 GDT, TBU CE Compliant, UL 497A 1000-1270](#)

Data Surge Protector SPD CPX Indoor Gigabit Ethernet
RJ45 GDT, TBU CE Compliant, UL 497A

1000-1270
CPX GbE Module



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 RJ45 GDT, TBU CE Compliant, UL 497A 1000-1270](https://www.transtector.com/data-surge-protector-spd-cpx-indoor-gigabit-1000-1270-p.aspx)

URL: <https://www.transtector.com/data-surge-protector-spd-cpx-indoor-gigabit-1000-1270-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.

4 1000-1270 REV 1.3 | © 2020 Infinite Electronics, Inc. Transtector Systems is a registered trademark of Infinite Electronics, Inc.

+1 208 635 6400 | [Transtector.com](https://www.transtector.com)