



DATA PORT PROTECTOR

Protects PCs and other communication equipments terminating on DB-9, DB-15, DB-25, M/34 and RJ21X connectors

- ◆ **Transzorb circuitry for lower let-through voltage**
- ◆ **Fail safe design**
- ◆ **All mode protection**
- ◆ **Easy plug-in installation**
- ◆ **Support data rates up to 20Mbps**
- ◆ **Negligible in-line resistance and capacitance**
- ◆ **Plenty of connector type to choose**



Transzorb circuitry for lower let-through voltage - Using dependable transzorb diode circuitry, a lower let-through voltage is achieved which means the surge and transient overvoltage which may otherwise damages the line driver and receiver cards on the data ports are limited to a harmless level.

Fail safe design - Inside the DPP protectors, we adopted the fail safe design technology which means if it suffered a severe surge above its rated capacity, it will fail and causing the fusing track to open and isolated the damaging sources.

All mode protection - Transients appearing between any signal pairs which commonly called transverse mode and between signal line and earth is common mode are all effectively and reliably protected in the DPP protectors.

Easy plug-in installation - The DPP RS232 port protectors are compact and in-line design which can be easily connected to the data port of the

equipments. The V 35 and the RJ21X data port protectors can be easily secured onto a standard 35mm Top Hat DIN rail.

Support data rates up to 20Mbps - The fast response sophisticated hybrid circuit not only protected the equipments from repeated surges but also allows the DPP protectors to transparently transmit the data at a speed of up to 20Mbps.

Negligible in-line resistance and capacitance - DPP protector has a nearly zero in-line resistance and a 40pF capacitance which allows the data to transmit smoothly on the lines

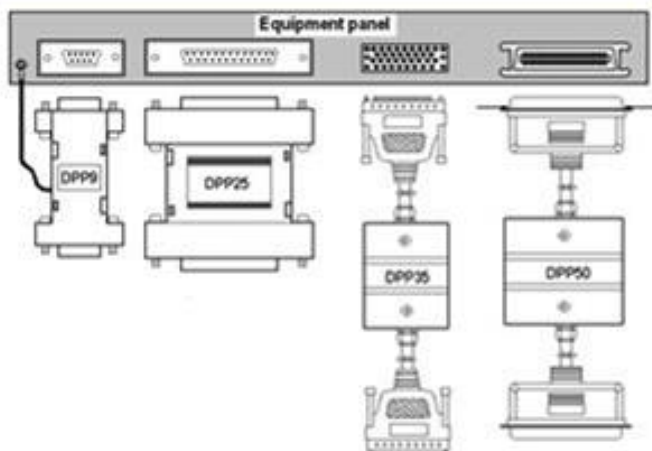
Plenty of connector type to choose - No matter what connector type or gender type is required, DPP series has the right model to suit the applications





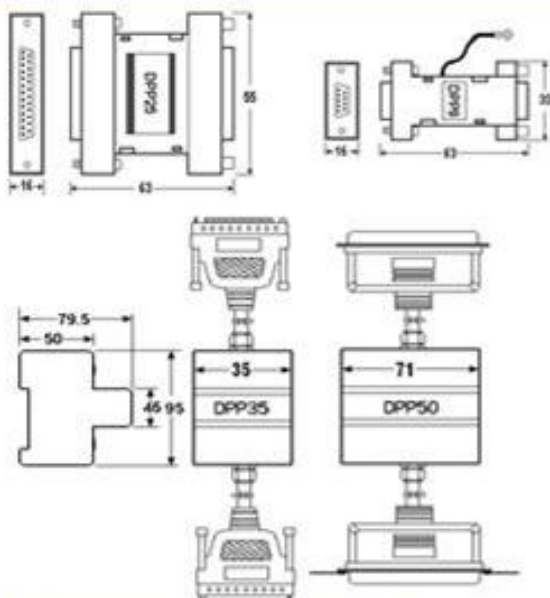
SPECIFICATIONS AND DRAWINGS

Installation



For detail installation requirements, pls refer to relevant user manual.

Dimensions



Ordering Information

MODEL	DESCRIPTION	MAX. WORKING VOLTAGE	LET-THROUGH VOLTAGE
DPP9-232	DB9 RS232 protector	25V	40V
DPP25-232	DB25 RS232 protector	25V	40V
DPP9-485	DB9 RS485 protector	6V	14V
DPP25-485	DB25 RS485 protector	6V	14V
DPP35-V12	V.35 data port protector	12V	22V
DPP50-V5	RJ21X data port protector	7V	10V
DPP50-V12	RJ21X data port protector	17 V	23V
DPP5 0-V24	RJ21X data port protector	3.4V	43V
DPP5 0-V48	RJ21X data port protector	68 V	79V
DPP5 0-V130	RJ21X data port protector	18.0V	210V

Notes :

- (1) For RS422 and RS423 protocol protection ,use DPPx-485 model
- (2) For 15 pin D-sub port ,pls specify DPP15-x model
- (3) The above models are all male to female configuration.If male/male(M/M) or female/female(F/F) connector type is required, add "M" or "F" respectively at the end of the model number before ordering
- (4) Other port configuration are available on requested ,e.g DB9 to DB15
- (5) Multi-port(19"rack-mount)models for the DPP9 ,DPP25 ,DPP35 and DPP50 are available on requested ,e.g DB9-232/8 is a 8 port rack-mount ,DB9 RS232 protector.

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General Specifications

Max. working voltage: Max. see ordering information

Operating current: Protection 300mA

modes: common and transverse

Response time: 1ns

Max. Surge rating: 200A(8/20 μ s)

Max. data rate: 20Mb/s

Insertion loss: <1dB at 20MHz

Let through voltage: See ordering information
(At 5KV 10/700 μs)

Capacitance: 40pf

In line resistance: ~∞

Standards compliance: BS6651-1999 Cat.A.B.C
AS1768-2003 Cat.A.B.C
IEC 61643- 21
ITU(CCITT)1X K17
CP33-1996 Cat.A.B.C
UL497B

Connector type: DB9 female to male (DPP9)
DB25 female to male (DPP25)
M34 female to male (DPP35)
RJ21X female to male (DPP50)

Earth connection: DIN clip (DPP35, DPP50)
Flying lead (DPP9), shell (DPP25)

Enclosure material: Anodized aluminum (DPP35, DPP50)
Plastic (DPP9, DPP25)

Operating temperature: -40-85°C

Humidity: 0-95%(R.H.)

Altitude: 0-3650m

Weight: DPP9-All models 30g
DPP25-All models 42g
DPP35-All models 500g
DPP50-All models 600g

Local Distributor:

