



TE-500® Product Line

Series Hybrid Surge Protectors for Data and Telecom Applications

Protection

Data lines and telecommunication lines require protection from lightning and other electromagnetically induced transient surges. Digital and analog data is transmitted at very low voltages and is particularly vulnerable to transient voltages, and equipment can easily be damaged. LEC's TE-500 Product Line of surge protection devices use a series-hybrid design, are extremely fast and handle high surge currents. These devices have a very low insertion loss, allowing more than one device to be installed on a single line. Because of their compact, modular design and packaging flexibility, TE-500 products are the protectors of choice for data, telecom, LAN and IBM applications.



Performance

The TE-500 Product Line utilizes a unique series hybrid suppression circuit with three stages of protection. The TE-500 products provide a variety of surge capacities and clamping voltages, depending on product model.



Model No.	Application	Connector-Gender**
TE-500	Asynchronous RS232	DB25-MF
TE-501	Asynchronous RS232	DB25-MF
TE-501-LC	Asynchronous RS232	DB25-MF
TE-502	Synchronous RS232	DB25-MF
TE-503-S	Serial RS232, All Pins	DB25-MF
TE-503-P	Parallel RS422/485, All 25 Pins	DB25-MF
TE-503-PC	Parallel RS422/485, All 34 Pins	Centronic-MF
TE-509-6	Parallel RS422/485, All Pins	DB9-MF
TE-509-25	RS232, All Pins	DB9-MF
TE-510-6	RS422/485, 4 Wires	RJ11-FF
TE-510-25	RS232, 4 Wires	RJ11-FF
TE-512-6	RS422/485, 8 Wires	RJ45-FF
TE-512-25	RS232, 8 Wires	RJ45-FF
TE-515-6	RS422/485, All Pins	DB15-MF
TE-515-25	RS232, All Pins	DB15-MF
TE-515-T1	T1 Line	DB15-MF
TE-516-25	RS232, 6 Port	12 RJ45-FF
TE-518-25	RS232, 8 Port	16 RJ45-FF
TE-530-MF	Thick Ethernet	N-MF
TE-530-FF	Thick Ethernet	N-FF
TE-531-MF	Thick Ethernet	BNC-MF
TE-531-FF	Thin Ethernet	BNC-FF
TE-531-MFF	Thin Ethernet	BNC-MFF
TE-542-MF	CCTV	BNC-MF
TE-543-FF	CATV/SATV/DirecTV	F-FF
TE-545-MF	AS-400	Twinax-MF
TE-545-MFF	AS-400	Twinax-MFF
TE-546-MF	V.35, M/34	M/34-MF
TE-546-34-MF	V.35, M/34, All Pins	M/34-MF
TE-552-D2-RJ11	Dial-Up Line †, 2 Wire, Pins 3 & 4	RJ11-FF
TE-552-D2-RJ45	Dial-Up Line †, 2 Wire, Pins 4 & 5	RJ45-FF

Model No.	Application	Connector-Gender**
TE-552-D4-RJ11	Dial-Up Line †, 4 Wire, Pins 2-5	RJ11-FF
TE-552-D4-RJ45	Dial-Up Line †, 4 Wire, Pins 3-6	RJ45-FF
TE-552-D6-RJ45	Dial-Up Line †, 6 Wire, Pins 2-7	RJ45-FF
TE-552-D8-RJ45	Dial-Up Line †, 8 Wire, Pins 1-8	RJ45-FF
TE-552-L4-RJ11	Leased Line, 4 Wire, Pins 2-5	RJ11-FF
TE-552-L4-RJ45	Leased Line, 4 Wire, Pins 3-6	RJ45-FF
TE-552-L8	Leased Line, 8 Wire, Pins 1-8	RJ45-FF
TE-552-DDS	DDS, 4 Wire, Pins 1, 2, 7, & 8	RJ45-FF
TE-552-T1	T1 Line, 4 Wire, Pins 1, 2, 4, & 5	RJ45-FF
TE-552-E1	E1 Line, 4 Wire, Pins 1, 2, 4, & 5	RJ45-FF
TE-552-E1-CX	E1 Line, Center Pins & Shield	4 BNC
TE-552-GS2	G.SHDSL Line, 2 Wire, Pins 4-5	RJ45-FF
TE-552-GS4	G.SHDSL Line, 4 Wire, Pins 3-6	RJ45-FF
TE-552-U	ISDN Line, 4 Wire, Pins 3-6	RJ45-FF
TE-552-ST	ISDN Line, 8 Wires	RJ45-FF
TE-570***	10/100Base-T (point of use)	RJ45-FF
TE-570-R8***	10/100Base-T (8 port point of use)	16 RJ45-FF
TE-570-R16***	10/100Base-T (16 port point of use)	32 RJ45-FF
TE-574***	10/100Base-T (4 port Stand-alone)	8 RJ45-FF
TE-576***	10/100Base-T (6 port Stand-alone)	12 RJ45-FF
TE-578***	10/100Base-T (8 port Stand-alone)	16 RJ45-FF
TE-580***	10/100Base-T (barrier)	RJ45-FF
TE-580-R8***	10/100Base-T (8 port barrier)	16 RJ45-FF
TE-580-R16***	10/100Base-T (16 port barrier)	32 RJ45-FF
TE-584***	10/100Base-T (4 port Stand-alone)	8 RJ45-FF
TE-586***	10/100Base-T (6 port Stand-alone)	12 RJ45-FF
TE-588***	10/100Base-T (8 port Stand-alone)	16 RJ45-FF

** Connector genders are stated as Input-Output. "MFF" refers to one male input and two female outputs. RJ11 and RJ12 male plugs will fit into RJ45 female jacks.

*** For use on a Category Five, 8 wire cable. The 57X models are for use in individual computer and office applications; the 58X models are for applications where the cable enters the facility.

† Can also be used on ADSL lines.