

TPS-series

Power Line and Signal Surge Protector



2 Channels-Signal TVSS



Make simple power strip become a TVSS

- Easy installation with simple power strip plug
- Parallel installation with AC power system
- Make simple power strip become a surge protector for preventing your electrical equipments against power line surge damage
- 2 channels of signal surge protection for protecting against surge entering the data lines and signal lines for IT equipments
- LED protected status and fault wiring indicator
- All TVSS protection mode ; L-N, L-E, N-E
- AC multi-surge TVSS in location category A or B
- Designed in accordance with ANSI/IEEE C62.41 and ANSI/IEEE C62.42
- ISO 9001:2015 and ISO 14001 certified factory

TVSS ⚡

MODEL		TPS-111BC/ADSL	
AC SURGE PROTECTION	Electrical system	Single phase L-N-E	
	Nominal input	200 - 250 Vac, 50 - 60 Hz	
	Principle	Multi-surge TVSS	
	TVSS protection mode	All mode; L-N, L-E, N-E	
	Maximum Continuous Operating Voltage (MCOV)	280 Vac	
	Surge capability (I_{max})	10 kA (20 kA is optional)	
	Location category	ANSI/IEEE C62.41 CAT.A1, A2, A3, B1	
	Indicator (LED)	TVSS Protected (green), Fault Wiring (red)	
	Primary state	Gas arrester	
	TVSS function	Long discharge transient	
	Impulse spark over voltage	900 V at 1 kV/ μ s	
	Secondary state	Star varistor	
	TVSS function	Fast response transient	
	Clamp voltage	710 / 775 V	
SIGNAL SURGE PROTECTION	Transient current	10 - 20 kA (8/20 μ s wave form)	
	Transient response time	Less than 25 ns	
	Number of signal protection channel	2	
	Signal applications	ADSL	
	Connector	Modular plug RJ45-8C	
	Line protection	4 - 5	
	Breakdown voltage (V_{BR})	270	
	8/20 μ s wave form	V_{CL}	1,500
	(short impulse)	A_{CL}	100
	10/1000 μ s wave form	V_{CL}	1,000
	(long impulse)	A_{CL}	50
	Peak pulse power dissipation	1,500 W (10/1000 μ s wave form)	
	Fast response time	5 ns	
	Low line capacitance	Less than 15 pF	
	High speed buad rate	Less than 20 MHz	
Environment	DC isolated ground	$V_{ISO} = 1,000/6,000$ V	
	Repetitive peak plus current	$I_{ISO} = 100$ A (8/20 μ s wave form)	
	Temperature	0 - 40°C	
	Relative humidity	0 - 95% (non-condensing)	
	Dimensions (W x H x D)	110 x 55 x 102 mm.	
Weight (approx. in kg)		0.6 kg	