TP LAN
Data Line Surge Protector

LPS

The Surge Protective Device for Data and Communication Line is proudly made in Malaysia and engineered with state-of-the-art Australian technology. It is the result of exhaustive research and development to suit the Malaysian environment which is the world's most lightning prone regions.

Twisted Pair protector for telephone lines with screw/ RJ45 terminal makes it ideal for individual telephone lines, key phone system, modem,RS485, RS422, LAN, etc. The TP Series SPD will protect sensitive data networks against lightning induced surges without impairing the system normal operation or cause excessive in-line resistance.

It is designed with high surge capacity to suit lightning prone regions and when connecting equipment are located more than 30 meters away, in adjacent buildings or outdoors.

The TP series employs multistage protection with GDT for primary protection then linked by second stage series impedance and semiconductor voltage dependant device to provide unsurpassed performance in lightning surge protection. When transient occurs, the TP will switch to a fully conductive state and diver high current. It will reset automatically to the non-conducting state when the current falls below the holding current. Under excessive surge condition, the device will fail in shorted mode to earth keeping the circuit protected.
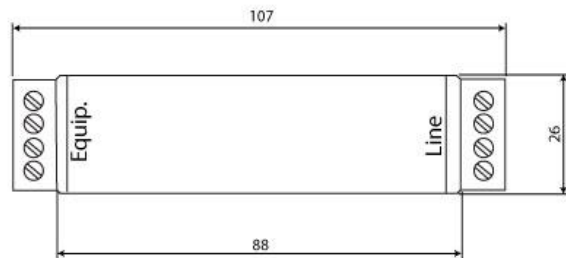
Technical Data

Technical Specification	Description
Standard Clamp Voltage @ 1mA	7.5V
Let-through Voltage (Line-Ground0 @ IEEE C 62.36-1994(CCITT) / ITU-K.20	12V(L-G,L-L)
Max. Surge Current @ 8/20µs	10kA / wire
-3db Bandwidth @ 600	DC-100MHz @ 110Ω
Series Resistance Per Wire	7.5Ω
Insertion Loss @ 300kHz	<0.5db
Maximum capacitance	<30pF
Response Time	<1ns
Operation & Storage Temperature	-40°C to +70°C
Warranty Period	5 years

Ordering Info

Connector Interface	Protected Wires	Model Number
Screw Terminal	4 Wires LAN	TP-LAN)ST)

Dimension

Connection Diagram