PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6894124-70

Description: SPD Teletron DSL, code 6894124-70



Description

Surge protective device providing primary and secondary overvoltage protection to digital and analog telecommunication networks, DSL/ISDN lines and the devices connected to them. It is providing primary protection against surge currents caused by direct lightning strikes on the telecommunication overhead network or on the structure that they are installed. Additionally it is providing protection against inducted surges generated by the electromagnetic field, which is created by a nearby lightning strike. It is providing protection between the pair and earth (common mode) and also between the poles of the pair (differential mode). The surge protective devices are generally placed at each end of the telecom line and as possible as close to the device to be protected. A local earthing point is required, either the earthed metallic enclosure of the equipment or the nearest earthing point (e.g. socket).

Technical characteristics

Protection type EN / IEC 61643-21	C1, C2
Number of poles	1
Input / output connector's type	RJ 11 or RJ 45
Connection between terminals	L1–L2, L1–GND, L2–GND
Number of protected pairs	1 (2 cables) + GND
Maximum operating voltage, Uc	175 V DC
Maximum operating current, IL	150 mA
Maximum signal frequency, F	10 MHz
Series line resistance (input – output), R	0,5 Ohm
Series line inductance (input – output), L	2x25 μH
In, C2 test, (8/20μs), 2P / 1P	5 kA / 2,5 kA
Up, (at In), L1-L2	300 V

Up, (at In), L1-GND, L2-GND	1000 V
Main circuit	GDT + TVS diode
Response time, tA	1 ns
Connection to network	In line
Dimensions WxHxD (mm)	54x30,8x80 mm
Housing material	Thermoplastic V-0
Protection level of housing	IP20
Operating temperature	-40 oC ÷ +80 oC
Relative humidity	5% ÷ 95%
Certification	CE
Conformity with	LVD 2014/35/EU
Installation only by qualified electrician	IEC 60417–6182
ELEMKO management systems	ISO 9001, ISO 14001, ISO 45001