PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6894106-70

Description: SPD TeleTron KRONE, code 6894106-70

Description



Surge protective device providing primary and secondary protection to digital and analogue telecommunication networks and DSL/ISDN lines, against surge currents caused by lightnings to the overhead telecommunication network or by direct lightning strikes to the structure it is installed. Additionally it provides protection against surge overvoltages caused from the electromagnetic field generated from an indirect lightning strike (near to the structure or to the incoming conductive supply network). It is designed for use on telecom terminal blocks KRONE type. The surge protective device is recommended to be connected directly to the terminal blocks (even to already installed) providing protection between the pair and earth (common mode) as well as between the poles of the pair (differential mode). In one KRONE type terminal block can be installed up to 10 surge protective devices, ELEMKO code 68 94 106 with one earthing bar, ELEMKO code 68 94 300.

Technical characteristics

Protection type EN / IEC 61643-21	C1, C2
Number of poles	1
Input / output connector's type	Terminal block KRONE type
Connection between terminals	L1–L2, L1–GND, L2–GND
Number of protected pairs	1 (2 cables) + GND
Maximum operating voltage, Uc	150 V DC
Maximum operating current, IL	145 mA
Maximum signal frequency, F	2 MHz
Series line resistance (input – output), R	11 Ohms
In, C2 test, (8/20μs), 2P / 1P	20 kA / 10 kA
Up, (at In), L1-L2	300 V
Up, (at In), L1-GND, L2-GND	1000 V

Main circuit	GDT + TVS diode
Thermal protection	YES (PTC)
Response time, tA	1 ns
Connection to network	In line
Dimensions WxHxL (mm)	20x20x71 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