PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6802600-70

Description: SPD DataTron LAN 6, code 6802600-70

Description



Surge protective device suitable for protection of up to 4 pairs of UTP, STP, FTP cables with terminal connector RJ45, which are used in CAT 6 LAN networks with up to 250 MHz signal frequency. It is providing primary protection against direct lightning strikes (10/350μs) on the telecommunication overhead network or on the structure it is installed. Additionally it is providing protection against inducted surges (8/20μs) 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 line and as possible as close to the device to be protected.

Technical characteristics

Protection type EN / IEC 61643-21	C1, C2, C3, D1
Number of poles	1
Number of protected pairs	4 (8 cables)
Input / output connector's type	RJ 45
Maximum operating voltage, Uc	48 V
Maximum operating current, IL	1 A
Maximum signal frequency, F	250 MHz
In, D1 test, (10/350μs), L-GND	1 kA
In, C2 test, (8/20μs), L-GND	10 kA
Up, C3 (at 1 kV), L-L	150 V
Up, C3 (at 1 kV), L-GND	550 V
Main circuit	GDT + TVS
Response time, tA	1 ns
Connection to network	In line

Dimensions WxHxD (mm)	19x75x45,5 mm
Housing material	Metal
Protection level of housing	IP20
Operating temperature	-40 oC ÷ +80 oC
Relative humidity	5% ÷ 95%
Rail mounting	DIN-3 (TS-35/EN50022)
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

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