PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6802400-70

Description: SPD DataTron LAN 5, code 6802400-70

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 5 LAN networks with up to 100 MHz signal frequency. It is providing protection between the pairs and earth and also between the poles of the pair from surge currents caused by direct lightning strikes on the structure it is installed and from surge overvoltages caused from the electromagnetic field generated from an indirect lightning strike (near to the structure or to the incoming conductive supply network). 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, C3
Number of poles	1
Number of protected pairs	4 (8 cables)
Input / output connector's type	RJ 45
Maximum operating voltage, Uc	5 V
Maximum operating current, IL	100 mA
Maximum signal frequency, F	100 MHz
In, C2 test, (8/20μs), L-GND	1 kA
Up, C3 (at 1 kV), L-L	35 V
Up, C3 (at 1 kV), L-GND	350 V
Main circuit	GDT + TVS
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

90 Tatoiou STR, GR 144 52 Metamorphosis +30 210 2845400 www.elemko.gr elemko@elemko.gr