PRODUCT DATA SHEET
SURGE PROTECTIVE DEVICES (SPDs)

Code: 68 02 600   Ed. 03/2021

Brand Name: DataTron LAN 6

Application: LAN networks

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.

Protection type EN / IEC 61643–21

- D1, C1, C2, C3

Technical characteristics

Number of Poles	1
Number of protected pairs	4 (8 cables)
Input / output connector's type	RJ 45
Maximum operating voltage, U_C, L–L	48 V
Maximum operating current, I_L	1 A
Maximum signal frequency, F	250 MHz
I_{imp}, D1 test, (10/350μs), L–GND	1 kA
I_n, C2 test, (8/20μs), L–GND	10 kA
U_p, C3 (at 1 kV), L–L	<150 V
U_p, C3 (at 1 kV), L–GND	<550 V
Response time, t_A	1 ns
Main circuit	GDT + TVS diode
Connection to network	In line
Protection level of housing	IP20
Dimensions WxHxD	19x75x45,5 mm
Operating temperature, ∂	$-40^0C \div +80^0C$
Relative humidity	5% ÷ 95%
Housing material	Metal
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

Country of Origin

Greece

Unit: piece / Package: 1 piece

We reserve the right to introduce changes in the component due to technical evolution.