

## PRODUCT DATA SHEET

### SURGE PROTECTIVE DEVICES (SPDs)

**Code: 68 02 400**

Ed. 03/2021

**Brand Name: DataTron LAN 5**
**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 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).



#### Protection type EN / IEC 61643-21

- 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	5 V
Maximum operating current, $I_L$	100 mA
Maximum signal frequency, F	100 MHz
$I_n$ , C2 test, (8/20 $\mu$ s), L-GND	1 kA
$U_p$ , C3 (at 1 kV), L-L	<35 V
$U_p$ , C3 (at 1 kV), L-GND	<350 V
Response time, $t_A$	1 ns
Main circuit	GDT + TVS diode
Connection to network	In line
Protection level of housing	IP20
Dimensions WxHxD	54x30,8x80 mm
Operating temperature, $\vartheta$	-40°C ÷ +80°C
Relative humidity	5% ÷ 95%
Housing material	Thermoplastic V-0
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.