

## PRODUCT DATA SHEET

### SURGE PROTECTIVE DEVICES (SPDs)

**Code: 68 94 124**

Ed. 03/2021

**Brand Name: TeleTron DSL**
**Application: Telecommunication systems**

#### Description

Surge protective device providing primary and secondary overvoltage protection to digital and analog telecommunication networks, DSL/ISDN lines and the devices connected to them. It is providing primary protection against surge currents caused by direct lightning strikes on the telecommunication overhead network or on the structure that they are installed. Additionally it is providing protection against inducted surges 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 telecom line and as possible as close to the device to be protected. 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

#### Technical characteristics

Number of Poles	1
Number of protected pairs	1 + GND
Input / output connector's type	RJ 11 or RJ 45
Connection between terminals	L <sub>1</sub> – L <sub>2</sub> , L <sub>1</sub> – GND, L <sub>2</sub> – GND
Maximum operating voltage, U <sub>c</sub>	175 V
Maximum operating current, I <sub>L</sub>	150 mA
Maximum signal frequency, F	10 MHz
Series line resistance (input – output), R	0,5 Ω
Series line inductance (input – output), L	2x25 μH
I <sub>n</sub> , C2 test, (8/20μs), 2P / 1P	5 kA / 2,5 kA
U <sub>p</sub> , (at I <sub>n</sub> ), L <sub>1</sub> – L <sub>2</sub>	<300 V
U <sub>p</sub> , (at I <sub>n</sub> ), L <sub>1</sub> – GND, L <sub>2</sub> – GND	<1000 V
Response time, t <sub>A</sub>	1 ns
Main circuit	GDT + TVS diode
Connection to network	In line
Protection level of housing	IP20
Dimensions WxHxD	54x30,8x80 mm
Operating temperature, θ	-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.