

PRODUCT DATA SHEET

SURGE PROTECTIVE DEVICES (SPDs)

Code: 68 94 106

Ed. 03/2021

Brand Name: TeleTron KRONE
Application: Telecommunication systems

Description

Surge protective device providing primary and secondary protection to digital and analogue telecommunication networks and DSL/ISDN lines, against surge currents caused by lightnings to the overhead telecommunication network or by direct lightning strikes to the structure it is installed. Additionally it provides protection against surge overvoltages caused from the electromagnetic field generated from an indirect lightning strike (near to the structure or to the incoming conductive supply network). It is designed for use on telecom terminal blocks KRONE type. The surge protective device is recommended to be connected directly to the terminal blocks (even to already installed) providing protection between the pair and earth (common mode) as well as between the poles of the pair (differential mode). In one KRONE type terminal block can be installed up to 10 surge protective devices, ELEMKO code 68 94 106 with one earthing bar, ELEMKO code 68 94 300.



Protection type EN / IEC 61643-21 & ITU K12

- C1, C2

Technical characteristics

Number of Poles	1
Number of protected pairs	1 (2 cables) + GND
Suitable for	Terminal block KRONE type
Connection between terminals	$L_1 - L_2, L_1 - GND, L_2 - GND$
Maximum operating voltage, U_c	150 V DC
Maximum operating current, I_L	145 mA
Maximum signal frequency, F	2 MHz
Series line resistance (input – output), R	11 Ω
$I_n, C2$ test, (8/20 μ s), 2P / 1P	20 kA / 10 kA
U_p , (at I_n) $L_1 - L_2$	<300 V
U_p , (at I_n) $L_1 - GND, L_2 - GND$	<1000 V
Main circuit	GDT + TVS diode
Thermal protection	YES (PTC)
Response time, t_A	1 ns
Connection to network	In line
Dimensions WxDxH	20x20x71 mm
Protection level of housing	IP20
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

Needed accessory

Earthing bar, ELEMKO code 68 94 300

Unit: piece / Package: 1 piece

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