

## PRODUCT DATA SHEET

### SURGE PROTECTIVE DEVICES (SPDs)

**Code: 68 07 012**

Ed. 03/2021

**Brand Name: DataTron LT 12**
**Application: Low voltage digital & analogue signals**

#### Description

Surge protective device, suitable for the protection of electrical and electronic equipment, operating at low voltage digital and analogue signals. It is providing protection to 1 cable pair, against external transients and surges caused by induction and switching overvoltages. Especially designed to be installed in switchboards and control panels with limited space and where a numerous of incoming and outgoing cables are connected, such as interfaces RS 485 and RS 422. Quick and easy installation by clipping on DIN rail.



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

- C1, C3

#### Technical characteristics

Number of Poles	2 + GND
Number of protected pairs	1
Connection between terminals	L <sub>1</sub> – GND, L <sub>2</sub> – GND
Maximum operating voltage, U <sub>c</sub>	15 V
Maximum operating current, I <sub>L</sub>	10 A
Maximum signal frequency, F	1 MHz
Series line resistance (input – output), R	0,1 Ω
Line capacitance (input – output), C	3 nF
I <sub>n</sub> , C1 test, (8/20μs), 2P / 1P	1 kA / 0,5 kA
U <sub>p</sub> , (at I <sub>n</sub> ) L–GND	<39 V
U <sub>p</sub> , C3 (at 1 kV) L–GND	<19 V
Response time, t <sub>A</sub>	1 ns
Main circuit	TVS diode
Connection to network	In line
Protection level of housing	IP20
Dimensions WxHxD	6x68x61,3 mm
Operating temperature, θ	-40°C ÷ +80°C
Relative humidity	5% ÷ 95%
Maximum conductor for terminal	0,75 – 4 mm <sup>2</sup>
Conductor terminals tightening torque	0,4 Nm
Rail mounting	DIN-3 (TS-35/EN50022)
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.