

PRODUCT DATA SHEET
SURGE PROTECTIVE DEVICES (SPDs)

Code: 68 07 024

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Brand Name: DataTron LT 24

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 ₁ – GND, L ₂ – GND
Maximum operating voltage, U _c	28 V
Maximum operating current, I _L	10 A
Maximum signal frequency, F	1,5 MHz
Series line resistance (input – output), R	0,1 Ω
Line capacitance (input – output), C	1 nF
I _n , C1 test, (8/20μs), 2P / 1P	0,5 kA / 0,25 kA
U _p , (at I _n) L–GND	<65 V
U _p , C3 (at 1 kV) L–GND	<36 V
Response time, t _A	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 ²
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.