

PRODUCT DATA SHEET

SURGE PROTECTIVE DEVICES (SPDs)

Code: 68 44 127

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Brand Name: DataTron PR 4-48
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 up to 2 cable pairs, against external transients and surges caused by lightning, 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. It is consisted of a plug-in protection module and a base. The signal pass through the base in order to operate uninterruptible even with the module removed. The plug-in protection module can be replaced in no time with no need to cut-off the signal.



Protection type EN / IEC 61643-21

- C1, C2, C3, D1

Technical characteristics

Number of Poles	4 + GND
Number of protected pairs	2
Connection between terminals	L ₁ – L ₂ , L ₁ – GND, L ₂ – GND L ₃ – L ₄ , L ₃ – GND, L ₄ – GND
Maximum operating voltage, U _c	52 V
Maximum operating current, I _L	1 A
Maximum signal frequency, F	30 MHz
Series line resistance (input – output), R	2 Ω
Line capacitance (input – output), C	50 pF
I _{imp} , D1 test, (10/350μs), 2P / 1P	2,5 kA / 1,25 kA
I _{imp} , D1 test, (10/350μs), 4P	5 kA
I _n , C2 test, (8/20μs), 2P / 1P	20 kA / 10 kA
U _p , (at 5 kA) L–L & L–GND	<140 V
U _p , C3 (at 1 kV) L–L & L–GND	<69 V
Response time, t _A	1 ns
Main circuit	GDT + TVS
Connection to network	In line
Protection level of housing	IP20
Dimensions WxHxD	12x95x84,5 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	1 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.