

Surge Voltage Protection

DataPro2x1 RLC-Tr

for asymmetrical data transfer

for data- or signal transfer, or power supply lines



- High performance surge protector for up to 150V DC operating voltage *
- Nominal impulse discharge current up to 20 kA 8/20 μ s
- Operating current up to 0,5 A
- Mounting directly on mounting plate or on 35mm DIN rail

Product description

DataPro2x1 RLC has been designed for the surge voltage protection of sensitive electronic equipment. It is universally applicable because of the high discharge capacity (Line-PE 25 kA at 8/20 μ s) and the mounting on a mounting plate or on a DIN rail (DIN 50022) (35 mm DIN rail).

The product consists of a two-stage protection circuit with gas-filled arresters used as primary protection. The fine protection is effected exclusively by filters and capacitors. As no varistor is used in the protection circuit, nearly no leakage current will occur. That means remote monitorings or regular examinations are superfluous.

*Other nominal voltages on request

Protects People and Valuables



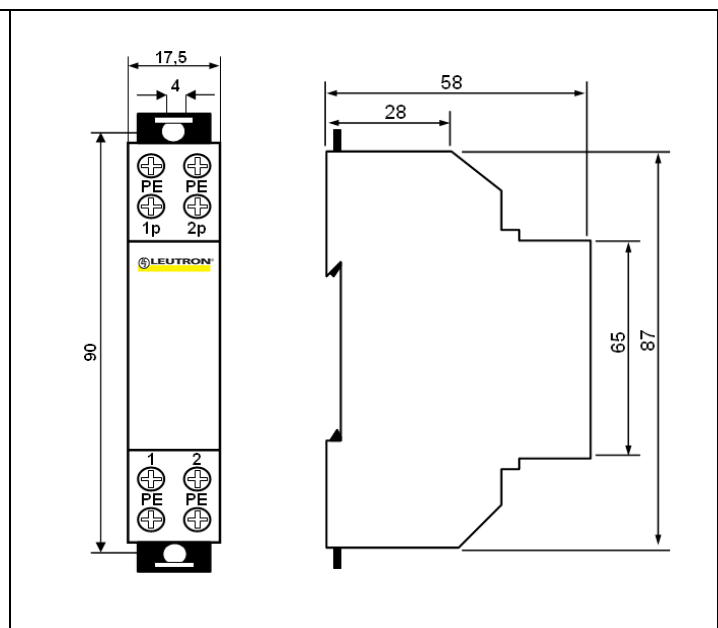
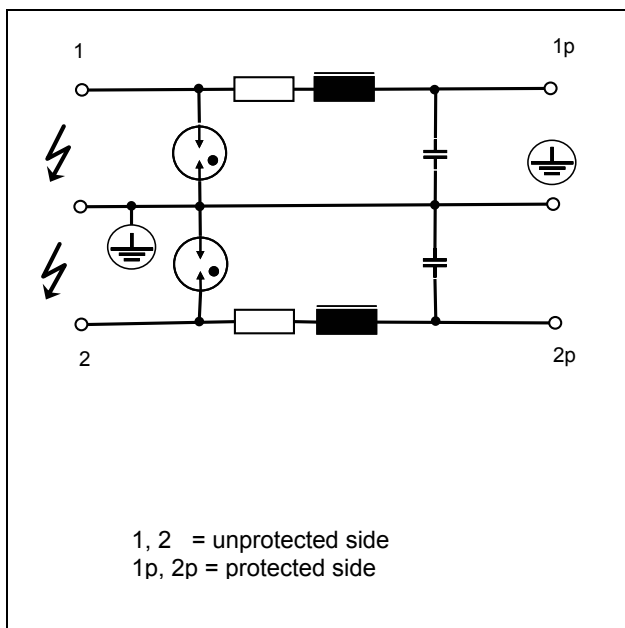
Technical data:

Application: Surge voltage protection for up to 150V DC operating voltage and an impulse discharge current resistivity of 20 kA (8/20µs)

Type		DataPro2x1 RLC-Tr
Art. No.		27 00 00
Nominal voltage	U_N [V=]	150
Max. continuous operating voltage	U_{max} [V=] [V~]	170 120
Max. operating current	I_{max} [A]	0.5
Leakage current at U_{max} -DC	I_l [µA]	≤ 0,001
Bandwidth fG (< 3 dB)**	f_g [kHz]	100
DC resistance	R [Ω]	4,3
Inductivity	L [µH]	185
Capability Line-PE	C [nF]	≤ 2,2
Protection level Line-PE at 1 kV/µs and i_{sn}	[kA]	≤ 800
Nominal discharge current i_{sn} (10 x 8/20 µs)	[kA]	20
Max. discharge current (8/20 µs)	I_{sgr} [kA]	30
Service life test current (500 x 10/700 µs)	[A]	200
Max. discharge current (10/700 µs)	[A]	1000
Max. alternating discharge current (50 Hz/ 5 x 0,5 s)	[A]	50
Operating temperature	T [°C]	- 25...+ 85
Cross sectional area	[mm ²]	2.5 solid or 1,5 stranded with sleeve(internal screws)
Housing WxHxD	[mm ²]	17,5x87x58 (Polycarbonate / light grey)

Basic circuit diagram:

Dimensions:



1DP2x1-RLC-Tr
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Subject to technical modifications and
delivery possibilities

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