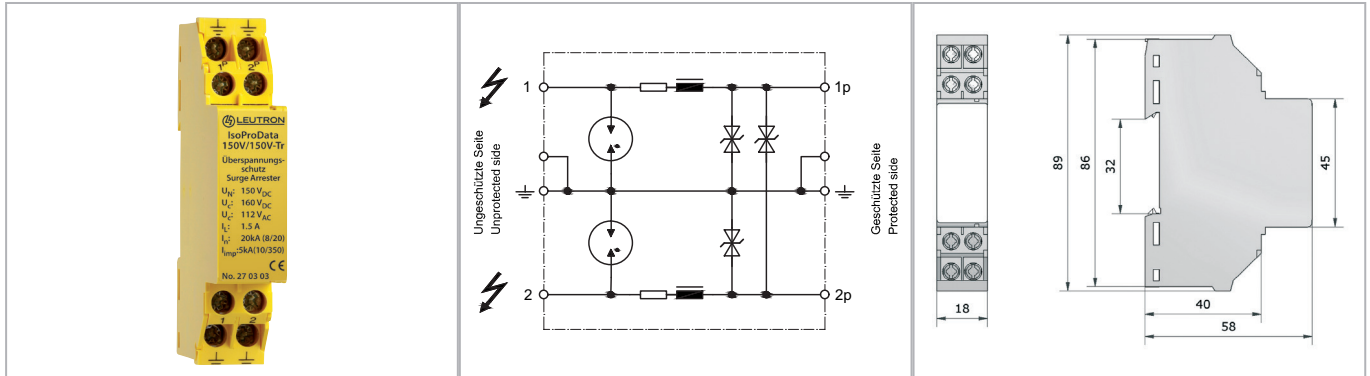


# Datasheet

## EMC filter with integrated surge protection



EMC filter for data and signal lines combined with surge protection enables smooth operation of sensitive electronic equipment in rough environment.

- Signal and data line protection with low-pass filter
- Protective circuit for 2 signal lines without reference to ground potential
- Applicable at the boundaries LPZ OA - 2 and higher
- Mounting on 35 mm DIN rail (EN 60715)
- Degree of protection according to IEC EN 60529: IP 20
- Space required for installation: 17.5 mm

Technical Data		IsoProData 150V/150V-Tr
IEC category		D1 / C2 / C1 / C3
Nominal voltage DC	UN	150 V=
Max. continuous operating voltage DC	Uc	160 V=
Max. continuous operating voltage AC (50/60Hz)	Uc	112 V~
Nominal current	IL	1,5 A
Leakage current at Uc DC		≤ 5 µA
Longitudinal impedance (DC resistance) per wire	Z	0,3 Ω
Series inductance, typ.	L	130 µH
Insulation resistance	Risol	> 10 GΩ
Response time	tA	≤ 2 ns
C2 nominal discharge current (8/20 µs)	In	20 kA
D1 lightning impulse current (10/350 µs) total	Itotal	10 kA
D1 lightning impulse current (10/350) per line	Iimp	5 kA
Protection level, residual voltage line-ground at In resp. 1 kV/µs	Up	≤ 250 V
Capacitance, line-earth	C	< 1 nF
Max. operating frequency (-3 dB)	fG	600 MHz
Operating temperature range	TU	-25 - +85 °C
Max. conductor cross section		16 mm <sup>2</sup> massiv or 6 mm <sup>2</sup> flexible with sleeve
Max. connection torque for terminals		1,5 Nm
Type of connection		Screw terminals

Order Data	
Product	IsoProData 150V/150V-Tr
Article-No.	27 03 03