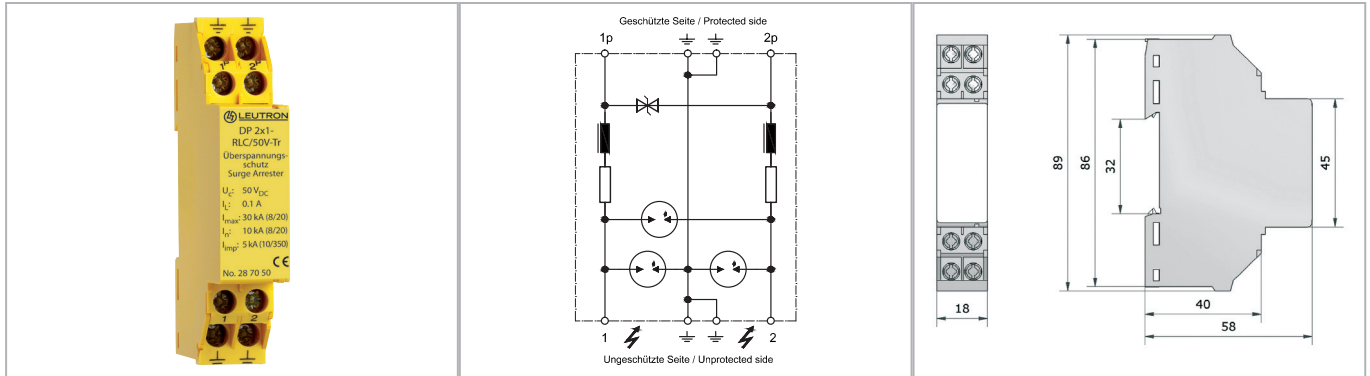


EMC filter with integrated surge protection

MCR technology with integrated low-pass filter



EMC filters with integrated overvoltage protection enable smooth operation of highly sensitive electronics in harsh environments. Protection of anode side measuring circuit for rectifier in cathodic protected systems (CCPS) Protection of DC-measuring lines up to 50V DC. The devices was designed to protect sensitive electronic equipment.

- Signal and data line protection with low-pass filter
- Protective circuit for 2 signal lines without reference to ground potential
- Maximum nominal current 100 mA
- Applicable at the boundaries LPZ 0A - 2 and higher
- Mounting on 35 mm DIN rail (EN 60715)
- Space required for installation: 18 mm
- Leakage current-free
- EAC certification

Technical Data		DP 2x1-RLC/50V-Tr
IEC category		D1 / C2 / C1 / C3
Max. continuous operating voltage DC	U _c	50V=
Nominal current	I _L	0,1 A
D1 lightning impulse current (10/350 μs) per line	I _{imp}	2,5 kA
D1 lightning impulse current (10/350 μs) total	I _{total}	5 kA
C2 nominal discharge current (8/20 μs) per line	I _n	10 kA
C2 nominal discharge current (8/20 μs) total	I _{max}	30 kA
Protection level at 1 kV/μs (1p-2p)	U _p	≤ 60V
Protection level at 1 kV/μs (1p,2p-PE)	U _p	≤ 650V
Response time 1p-2p, 2-PE (1 kV/μs)	t _A	≤ 2/25 ns
Operating temperature range	TU	-25 - +85 °C
Max. conductor cross section		2.5mm ² solid or 1.5mm ² flexible with sleeve
Max. connection torque for terminals		1,5 Nm
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Protection circuit casting compound		Polyurethane, flexible
Degree of protection (IEC EN 60529)		IP 20
Dimension (DIN 43880)		1 TE

Order Data

Product	DP 2x1-RLC/50V-Tr
Article-No.	28 70 50