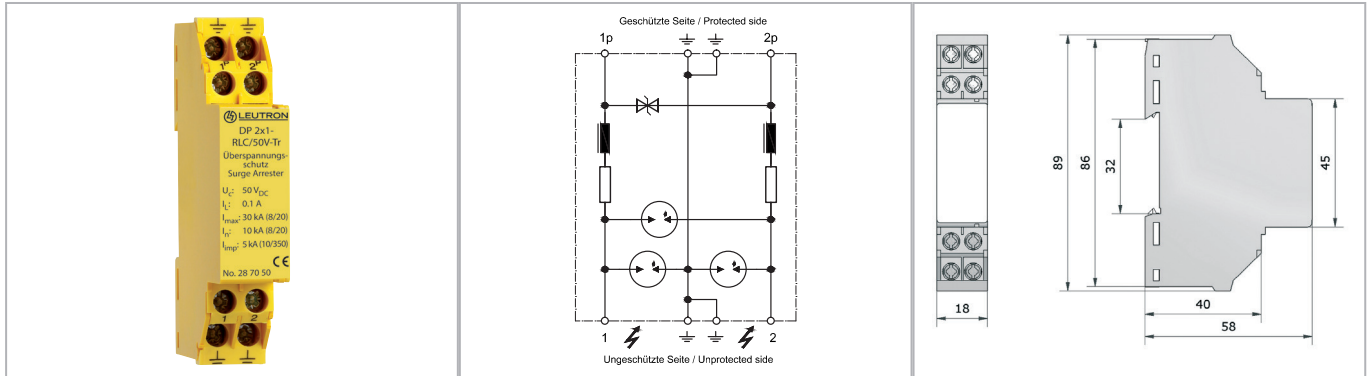


Datasheet

EMC filter with integrated surge protection



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. Surge voltage protector for electrical equipment with an operating voltage of up to 50 V DC, with an impulse current withstand strength of 30 kA (8/20 μ s). 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 0B - 2 and higher
- Mounting on 35 mm DIN rail (EN 60715)
- Space required for installation: 17.5 mm
- Leakage current-free

Technical Data		DP 2x1-RLC/50V-Tr
IEC category		C2 / C1 / C3
Max. continuous operating voltage DC	U _c	50V=
Nominal current	I _L	0,1 A
C2 nominal discharge current (8/20 μ s) total	I _{max}	30 kA
C2 nominal discharge current (8/20 μ s) per line	I _n	10 kA
Lightning impulse current (10/350 μ s)	I _{imp}	5 kA
Protection level at 1 kV/ μ s (1p-2p)	U _p	\leq 60V
Protection level at 1 kV/ μ s (1p,2p-PE)	U _p	\leq 650V
Response time 1p-2p, 2-PE (1 kV/ μ s)	t _A	\leq 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)		1TE

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