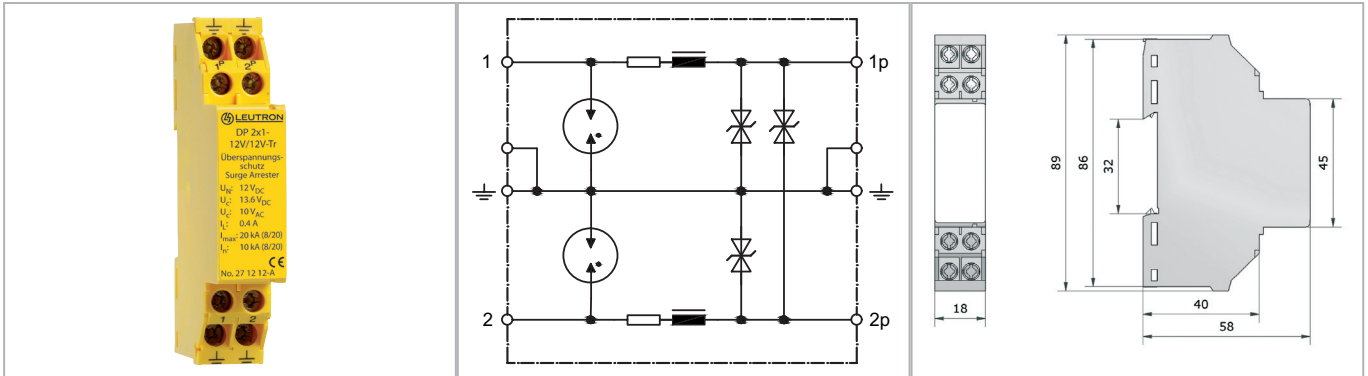


EMC filter with integrated surge protection

MCR technology with integrated low-pass filter



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 with common ground
- Applicable at the boundaries LPZ 0A - 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: 18 mm
- EAC certification

Technical Data		DP 2x1-12V/12V-Tr
IEC category		D1 / C2 / C1 / C3
Nominal voltage DC	UN	12 V=
Max. continuous operating voltage DC	Uc	13,6 V=
Max. continuous operating voltage AC (50/60 Hz)	Uc	10 V~
Nominal current	IL	0,4 A
D1 lightning impulse current (10/350 μs) per line	Iimp	2,5 kA
D1 lightning impulse current (10/350 μs) total	Itotal	5 kA
C2 nominal discharge current (8/20 μs) per line	In	10 kA
C2 nominal discharge current (8/20 μs) total	I _{max}	20 kA
Protection level at In (line-earth)	Up	≤ 18 V
Leakage current at Uc		≤ 5 μA
DC resistance	R	3,2 Ω
Series inductance, typ.	L	30 μH
Response time	tA	≤ 2 ns
Capacitance, line-earth	C	<2,3 nF
Max. operating frequency (-3 dB)	fG	600 kHz
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

Order Data

Product	DP 2x1-12V/12V-Tr
Article-No.	27 12 12-A