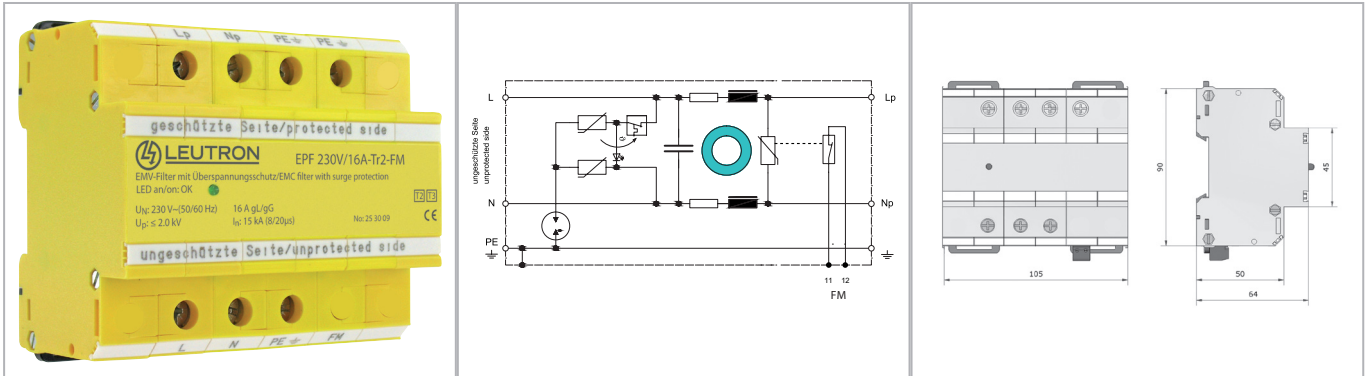


Datasheet

EMC filter with integrated surge protection

EnerProFilter for DIN rail mounting



EMC filters with integrated overvoltage protection enable smooth operation of highly sensitive electronics in harsh environments. Suitable for the application in single-phase TN systems. The protective circuit with filter contains an optimal decoupling between its medium protection (varistors) and its fine protection (varistors). All leakage current-afflicted elements are galvanically isolated from earth by a gas-filled surge arrester (GDT).

- Test standard: IEC 61643-11 / EN 61643-11
- Applicable at the boundaries LPZ 0B - 2 and higher
- EAC certification
- Remote signalling contact: break contact

Technical Data		EPF 230V/16A-Tr2-FM
IEC category		Type 2 + 3 / class II + III
Nominal voltage AC	UN	230 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	
Protection level at 5 kA (8/20 μs)	Up	≤ 1,4 kV
Protection level at In (8/20 μs)	Up	≤ 2 kV
Response time L-N/L, N-PE		≤ 25 ns
Nominal impulse discharge current (10 x 8/20 μs)	In	15 kA
Max. impulse discharge current (1x 8/20 μs)	Imax	25 kA
Max. allowed fuse or back-up fuse		16 A gG
Operating temperature range	TU	-40 - +80 °C
Max. conductor cross section		50 mm ² stranded/35 mm ² flexible
Recommended conductor cross section		25 mm ²
Max. connection torque for terminals		4,0 Nm
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (EN 60715)
Installation dimensions (H x W x D)		105 x 90 x 64 mm
Switching capacity FM		250 V/2 A
Max. conductor cross section FM		1,5 mm ²
Power supply system		1 phase TN systems

Order Data	
Product	EPF 230V/16A-Tr2-FM
Article-No.	25 30 09