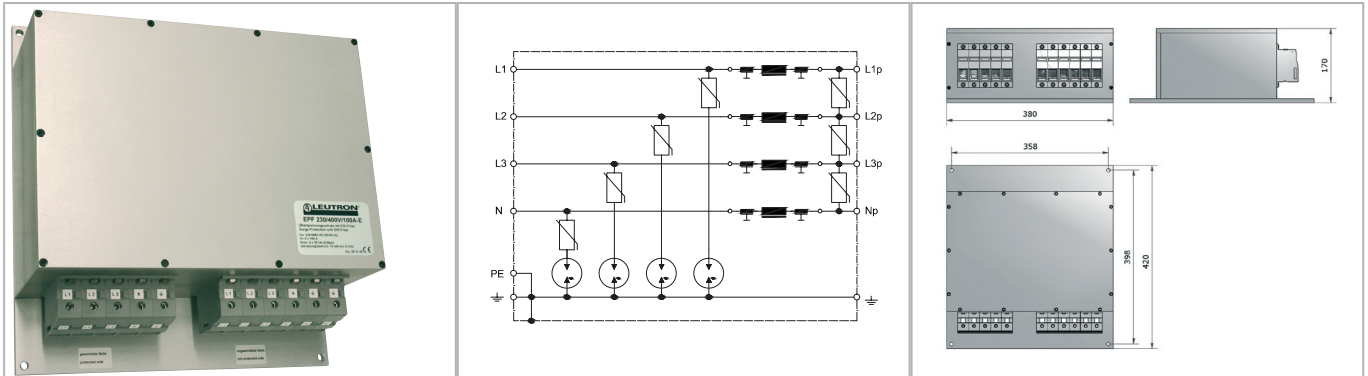


# Datasheet

## EMC filter with integrated surge protection



EMC filters with integrated overvoltage protection enable smooth operation of highly sensitive electronics in harsh environments. Suitable for the application in three-phase 230/400 V TN systems.

- Applicable at the boundaries LPZ 0B - 2 and higher
- 4-pole
- Leakage current-free
- Test standard: IEC 61643-11 / EN 61643-11
- Protects foundation earthing electrode against AC-caused corrosion
- To protect the supply of sensible equipment and installations
- EAC certification

Technical Data		EPF 230/400V/100A-E
IEC category		Type 2 + 3 / class II + III
Nominal voltage AC	UN	230 / 400 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	275 / 480 V~
Voltage protection level at 5 kA (8/20 μs) or 1 kV/μs	Up	≤ 1,4 kV
Protection level at In (8/20 μs); worst case	Up	≤ 2 kV
Response time L-N/L,N-PE		≤ 25 ns
Nominal discharge current (8/20 μs)	In	15 kA
Max. impulse discharge current (8/20 μs)	Imax	25 kA
Capacity at 250 V/200 A	C	2x 0,5 μF
Max. allowed fuse or back-up fuse		100 A gG
Operating temperature range	TU	-40 - +80 °C
Max. conductor cross section		solid 25-95/flexible. 35-95 mm <sup>2</sup>
Max. connection torque for terminals		4,5 Nm
Dimensions (L x W x H)		420 x 380 x 170 mm
Enclosure material / colour		aluminium / silver
Degree of protection (IEC EN 60529)		IP 20
Mounting on		mounting plate

Order Data	
Product	EPF 230/400V/100A-E
Article-No.	25 31 40