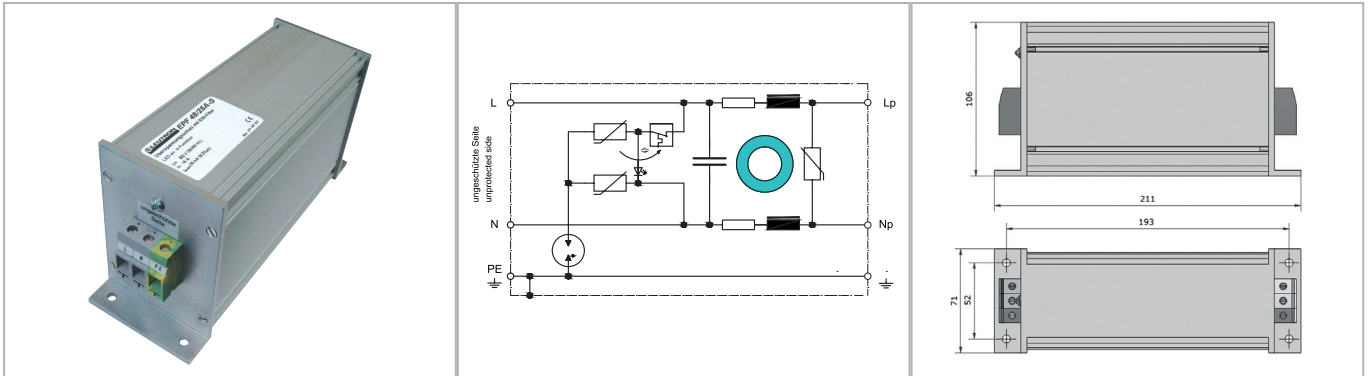


Datasheet

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 single-phase TN systems. The low-pass filter eliminates high-frequency electromagnetic interferences caused by lightning or switching actions in the network.

- Applicable at the boundaries LPZ OB - 2 and higher
- Test standard: IEC 61643-11 / EN 61643-11
- Maximum impulse discharge current of 20 kA (8/20 μ s)
- EAC certification

Technical Data		EPF 48V/25A-S
IEC category		Type 2 + 3 / class II + III
Nominal voltage DC	UN	48 V=
Nominal voltage AC	UN	42 V~
Max. continuous operating voltage DC	Uc	70 V=
Max. continuous operating voltage AC (50/60 Hz)	Uc	50 V~
Voltage protection level (1 kV/ μ s)	Up	$\leq 1,0$ kV
Protection level at In (8/20 μ s); worst case	Up	$\leq 1,5$ kV
Response time L-N/L,N-PE		≤ 25 ns
Nominal discharge current (8/20 μ s)	In	15 kA
Max. impulse discharge current (8/20 μ s)	Imax	20 kA
Max. allowed fuse or back-up fuse		25 A gG
Max. conductor cross section		4 mm ²
Operating temperature range	TU	-40 - +80 °C
Recommended conductor cross section		2,5 mm ²
Enclosure material / colour		aluminium / silver
Dimensions (L x W x H)		211 x 71 x 106 mm
Degree of protection (IEC EN 60529)		IP 20
Mounting on		mounting plate
Power supply system		1 phase TN systems

Order Data	
Product	EPF 48V/25A-S
Article-No.	25 30 53

