

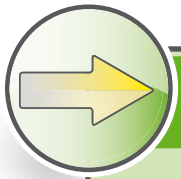
COMPACT

MAXIMUM EMC SAFETY WITH MURRELEKTRONIK'S EMPARRO FAMILY

OPTIMAL PROTECTION EMPARRO MEF 1/1

Filters from the Emparro product group provide maximum EMC safety in 230 V circuits – and they are the perfect match for the Emparro switch mode power supply units.

Together they are a strong team: The new single-phase Emparro switch mode power supply units and the Emparro filter modules. They ensure that even the strictest EMC requirements are easily exceeded. Interference emissions are now a thing of the past. This combination provides optimum interference immunity. Integrated surge protection provides additional safety.



GOOD ARGUMENTS

- Perfect match for Emparro switch mode power supplies
- 1-stage filter for perfect results
- Excellent attenuation characteristics
- Wide attenuation range (9 kHz ... 300 MHz)
- With surge protection and visual display
- Leakage current 1 mA

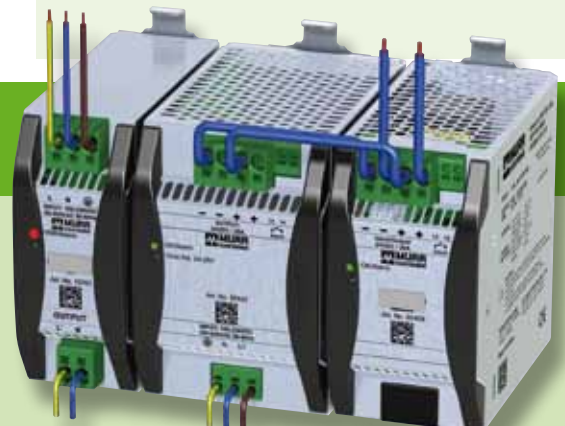


CONVINCING FACTS

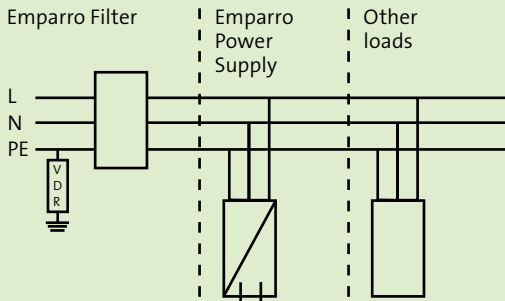
- DIN rail mounting
- Push-in terminals
- Shock resistant up to 15 g
- Approved acc. to UL, CSA, VDE, EN, and IEC

EVEN SAFER

Power supply units and filter modules from the Emparro series provide optimum EMC safety which significantly increases system availability. Control interferences or machine failures are now a thing of the past. This consistently prevents overloads.



Application Example



THE UNIVERSAL FILTER FOR YOUR CONTROL CABINET

PERFECT MATCH FOR EMPARRO SWITCH MODE POWER SUPPLIES

The single-phase, 1-stage EMC filters MEF 1/1 are used to suppress cable carried interference on mains, supply and control cables within the range of 9 kHz to 300 MHz. Voltage interferences irrespective of where they originate, either voltage input or modules, are suppressed.

ORDERING DATA

Emparro MEF 1/1 Nominal current 20 A



Ordering data	Art. No.
Artikel number	10701
Electrical data	
Operating voltage	230 V AC
Nominal current	50/60 Hz ± 6 %
Frequency	9 kHz ... 300 MHz
Leakage current	1 mA, at 250 V AC, 50 Hz
Insertion loss under load	15 dB, at 9 kHz 75 dB, from 150 kHz ... 5 MHz 40 dB, at 30 MHz
Over voltage protection	Varistors S 20 Type 2 with thermal fuse
Mechanical data	
Housing	metal housing
Terminals	Push-in terminals, 3 × 10 mm ²
Mounting	snaps on DIN rail
Dimensions	50 mm × 123 mm × 138 mm
Ambient temperature	-40 ... +60 °C
Climatic category	40/60/21
Approvals	
CE	acc. to RoHS directive 2011/65/EU
UL/CSA	UL 1283, 5 th edition/CSA22.2 NO. 8-M1986
VDE/EN/IEC	IEC/EN 60939-1,60939-2