

Compact 1-stage filter for 3-phase systems with neutral conductor



Description

- Quick-connect terminals 6.3 x 0.8 for three phases, neutral conductor and ground
- Very high symmetrical and asymmetrical attenuation loss
- In the frequency range from 10kHz up to 300MHz

Standards

- IEC 60939
- UL 1283
- EN 133 200

Approvals

- VDE License Number: 40004673

Applications

- Special design for industrial application as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
- Qualified for use in equipment according IEC/EN 60950

References

[General Product Information](#)

Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

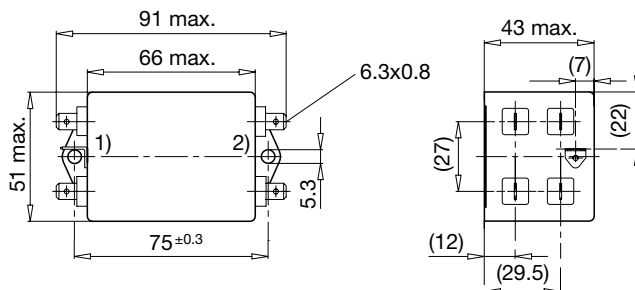
Technical Data

Rated Current	3 - 20A @ Ta 40 °C
Rated Voltage	250 - 440 VAC, 50/60 Hz
Approval for	3 - 20A / 440VAC; Hz 50
Leakage Current	industrial < 3mA (440V / 50Hz)
Dielectric Strength for 480 VAC	2.25kVDC between 1.7kVDC between L-N 3kVDC between L-PE 2.7kVDC between N-PE Test voltage (2 sec)
Number of Filter Stages	1
Weight	0.2 - 2.5 kg
Material: Housing	Metal
Sealing Compound	UL 94V-0

Mounting	Screw-on mounting on chassis, from top
Terminal	Quick connect terminals 6.3 x 0.8 mm
Operating Temperature [°C]	-25 °C to 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Degree of Protection	IP 20 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
MTBF	> 200'000h acc. to MIL-HB-217 F

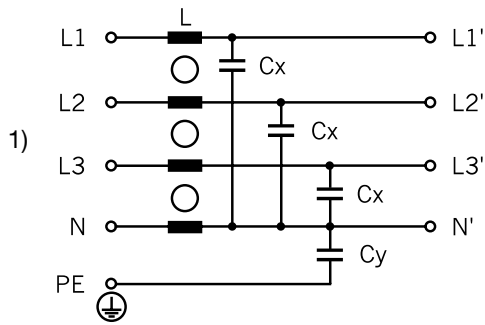
Dimensions

Case 47



- 1) Line
2) Load

Diagrams



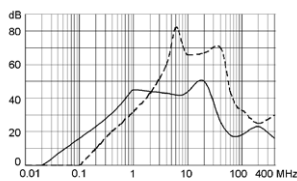
1) Power Line

Attenuation Loss

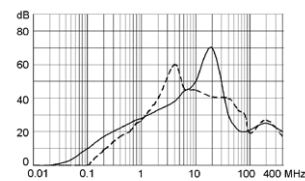
--- differential mode ____ common mode

Standard version

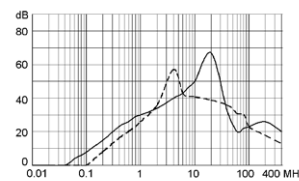
3A (FMW-65-0001)



6A (FMW-65-0002)

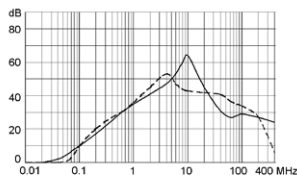


10A (FMW-65-0003)

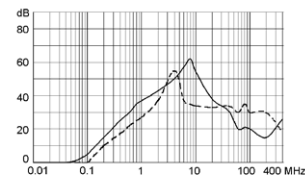


Industrial Version

10A (FMW-65-0004)



20A (FMW-65-0005)



Variants

[Distributor-Stock-Check](#) | [SCHURTER-Stock-Check](#) | [e-Store](#)

Rated Current [A]	Rated Voltage [VAC]	Leakage Current [mA]	L [mH]	Cx [μ F]	Cy [nF]	Weight [kg]	Case	Order Number
3	250/440	0.5	1	0.1	4.7	0.2	47	FMW-65-0001
6	250/440	0.5	0.5	0.1	4.7	0.2	47	FMW-65-0002
10	250/440	0.5	0.4	0.1	4.7	0.23	47	FMW-65-0003
10	250/440	3	0.4	0.1	22	2.35	47	FMW-65-0004
20	250/440	3	0.15	0.1	22	2.5	47	FMW-65-0005

Packaging unit

10 Pcs