

Compact 2-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

Standards

- IEC 60939
- UL 1283

Approvals

- VDE Certificate Number: 40004673

Applications

- Especially designed for industrial applications such as: Frequency Converters, Stepper Motor Drives, UPS-Systems, Inverters
- Suitable for use in equipment according to IEC/UL 60950

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Current	4 - 6 A @ Ta 40°C
Rated voltage	250/440 VAC, 50/60 Hz
Approval for	4 - 6 A / 250/440 VAC; 50 Hz
Overload Current	1.5 x I _r
Leakage Current	standard < 0.5 mA (440 V / 50 Hz)
Dielectric Strength	250/440 VAC: 2.25 kVDC between L-L 1.7 kVDC between L-N 3 kVDC between L-PE 2.7 kVDC between N-PE Test voltage (2 sec)
Number of Filter Stages	2-stage
Weight	0.26 - 0.5 kg
Material: Housing	Metal
Sealing Compound	UL 94V-0

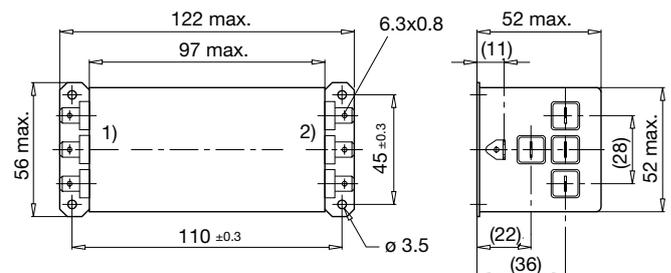
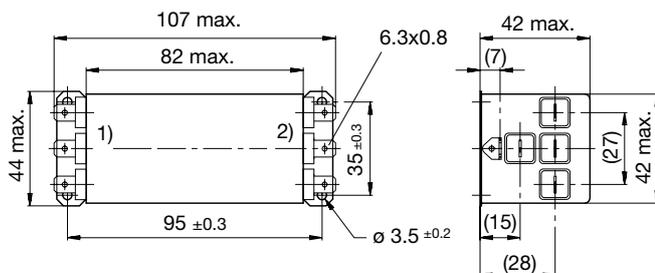
Mounting	Screw-on mounting on chassis, from top
Terminal	Quick connect terminals 6.3 x 0.8 mm
Operating Temperature	-25°C to 100°C
Climatic Category	25/100/21 acc. to IEC 60068-1
Degree of Protection	IP 20 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC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

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension

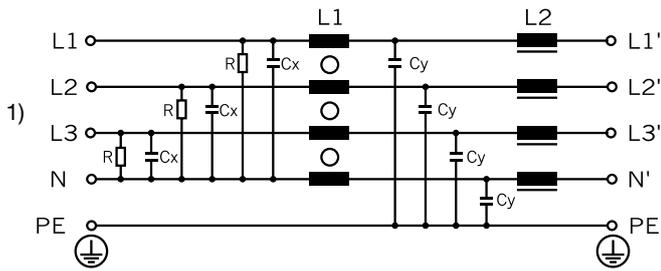
Case 18

Case 20



1) Line
2) Load

Diagrams



1) Line

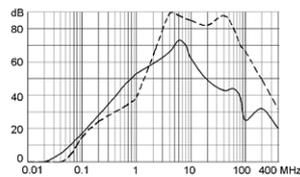
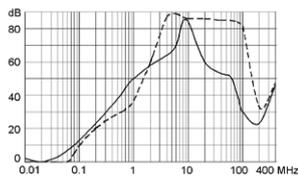
Attenuation Loss

--- 50Ω differential mode ____ 50Ω common mode

Standard version

4A (FMW-81-0001)

6A (FMW-95-0001)



All Variants

Rated Current [A]	Leakage Current [mA] @ 440V, 60Hz ¹⁾	L1 [mH]	L2 [μH]	Cx [μF]	Cy [nF]	R [MΩ]	Weight [kg]	Housings	Order Number
4	0.07	0.4	4	0.33	15	1	0.26 kg	18	FMW-81-0001
6	0.07	0.5	4	0.47	15	1	0.5 kg	20	FMW-95-0001

Most Popular.

Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

1) Nominal leakage current acc. to IEC60950 - 5.2.5. under normal operating conditions. Note: worst case leakage current acc. to IEC60950 - Annex G4 (situation with two interrupted lines) can be much higher.

Packaging unit 5 Pcs