

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
- High symmetrical and asymmetrical attenuation
- In the frequency range from 10kHz up to 300MHz

### Standards

- IEC 60939
- UL 1283
- EN 133 200

### 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 60950

### Weblinks

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

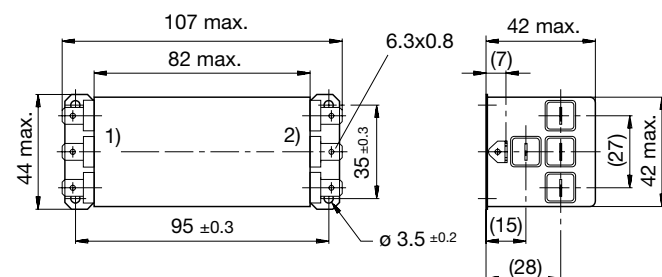
### Technical Data

|                         |                                  |
|-------------------------|----------------------------------|
| Rated Current           | 4 - 6A @ Ta 40°C                 |
| Rated voltage           | 250/440 VAC, 50/60 Hz            |
| Approval for            | 4 - 6A / 250/440 VAC; 50Hz       |
| Overload Current        | 1.5 x Ir                         |
| Leakage Current         | standard < 0.5 mA (440 V / 50Hz) |
| 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                         |

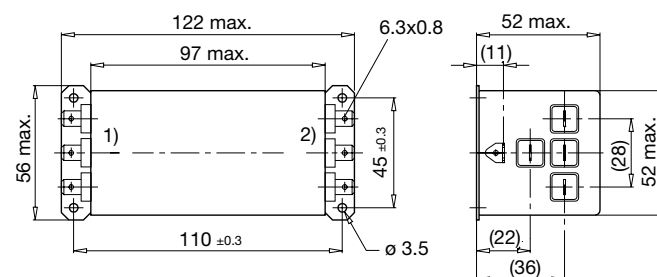
|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Mounting                   | Screw-on mounting on chassis, from top                            |
| Terminal                   | Quick connect terminals 6.3 x 0.8 mm                              |
| Operating Temperature [°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 18

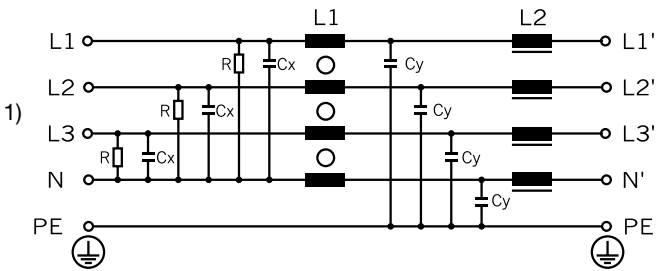


Case 20



- 1) Line  
2) Load

Diagrams



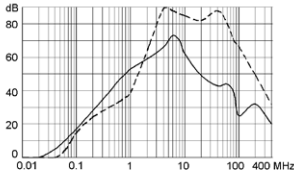
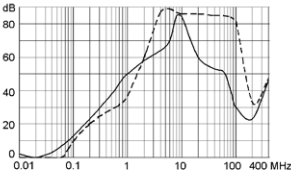
1) Line

Attenuation Loss

- - - differential mode    \_\_\_\_ common mode

Standard version  
4A (FMW-81-0001)

6A (FMW-95-0001)



Variants

| Rated Current [A] | Rated Voltage [VAC] | L1 [mH] | L2 [μH] | Cx [μF] | Cy [nF] | R [MΩ] | Weight [kg] | Housing | Order Number |
|-------------------|---------------------|---------|---------|---------|---------|--------|-------------|---------|--------------|
| 4                 | 250/440             | 0.4     | 4       | 0.33    | 15      | 1      | 0.26 kg     | 18      | FMW-81-0001  |
| 6                 | 250/440             | 0.5     | 4       | 0.47    | 15      | 1      | 0.5 kg      | 20      | FMW-95-0001  |

Packaging unit    5 Pcs