

MEF EMC-FILTER 3-PHASE 1-STAGE WITH NEUTRAL

I:3A U:4x440 VAC snap on

Current: 3 A

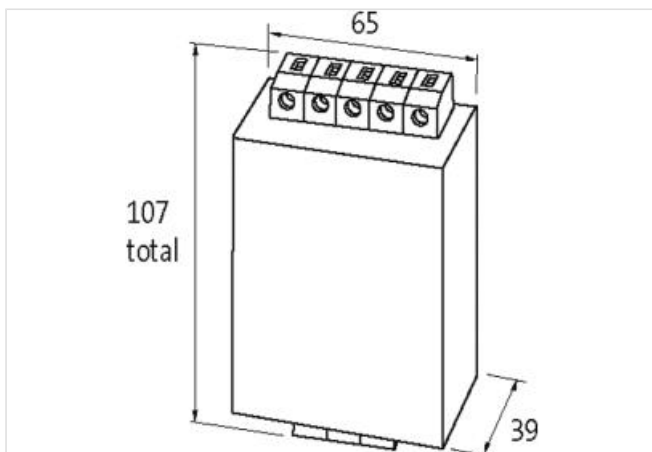
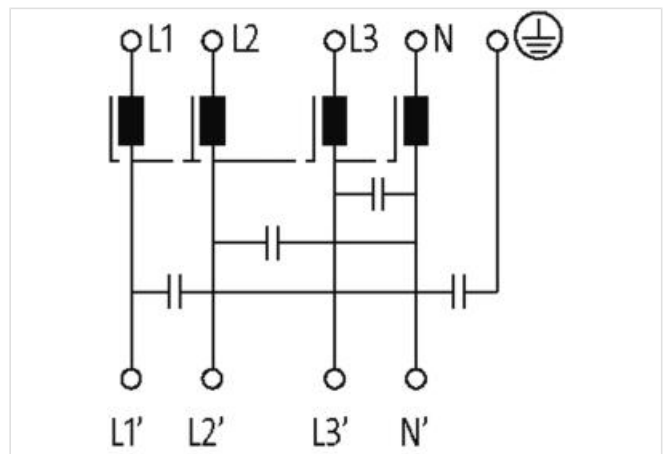
DIN-rail mountable
with neutral

Attenuation curves on request.

The 3-phase and 1-stage MEF 3/1 line suppression filters are used in the range 0.1...30 MHz to suppress conducted interference on mains and supply lines. They are suitable for TN-S, TN-C-S and TT networks. The best filter effect is achieved with short connecting lines (recommendation: PE connection < 10 cm) with the largest possible cross-sections. The mains suppression filters act bidirectionally (in both directions). They reduce symmetrical and asymmetrical interference, which often occurs in electronically controlled three-phase devices due to mains interference.

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

ECLASS-6.0

27130806

| | |
|-----------------------|---------------|
| ECLASS-6.1 | 27420201 |
| ECLASS-7.0 | 27420290 |
| ECLASS-8.0 | 27420290 |
| ECLASS-9.0 | 27420290 |
| ECLASS-10.1 | 27420208 |
| ECLASS-11.1 | 27420208 |
| ECLASS-12.0 | 27420208 |
| ETIM-5.0 | EC002498 |
| customs tariff number | 85363010 |
| GTIN | 4048879029292 |
| Packaging unit | 1 |

Electrical data

| | |
|----------------------|------------------------|
| Leakage current max. | 3 mA @ 250 V AC, 50 Hz |
|----------------------|------------------------|

Electrical data | Supply

| | |
|---------------------------|--------------|
| Power frequency | 50 ... 60 Hz |
| Operating voltage AC max. | 440 V |

Electrical data | Input

| | |
|--------------------|---|
| Phase number input | 3 |
|--------------------|---|

Electrical data | Output

| | |
|------------------|---|
| Overload current | 18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour) |
|------------------|---|

Installation

| | |
|--|---------------------|
| Connection cross-section solid min. | 0,2 mm ² |
| Connection cross-section solid max. | 6 mm ² |
| Connection cross-section stranded/fine-stranded min. | 0,2 mm ² |
| Connection cross-section stranded/fine-stranded max. | 4 mm ² |
| AWG number solid min. | 24 |
| AWG number solid max. | 9 |
| AWG number stranded/fine stranded min. | 24 |
| AWG number stranded/fine stranded max. | 11 |

Device protection | Electrical

| | |
|----------------------------------|--------|
| Duration insulation test voltage | 2 s |
| Insulation test voltage L-L | 2,1 kV |
| Insulation test voltage L-N | 2,7 kV |

Mechanical data | Mounting data

| | |
|----------------------------|--------------------------------|
| Mounting method | geschnappt |
| Suitable for mounting type | Mounting rail TH35, (EN 60715) |
| Height | 107 mm |
| Width | 56 mm |
| Depth | 39 mm |

Environmental characteristics | Climatic

| | |
|------------------------------------|-----------|
| Climatic category (EN IEC 60068-1) | 25/085/21 |
|------------------------------------|-----------|

Connection type 3

| | |
|--------------------------|--------------------|
| Connection | Screw terminals SK |
| Family construction form | terminal |
| Gender | female |
| Color contact carrier | green-yellow |
| No. of poles | 1 |
| PIN 1 | PE |
| Connection | Screw terminals SK |

| | |
|--------------------------|--------------------|
| Family construction form | terminal |
| Gender | female |
| Color contact carrier | gray |
| No. of poles | 4 |
| PIN 1 | L 1 |
| PIN 2 | L 2 |
| PIN 3 | L 3 |
| PIN 4 | N |
| Connection | Screw terminals SK |
| Family construction form | terminal |
| Gender | female |
| Color contact carrier | gray |
| No. of poles | 4 |
| PIN 1 | L 1' |
| PIN 2 | L 2' |
| PIN 3 | L 3' |
| PIN 4 | N' |