

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

I:20A U:4x440 VAC snap on

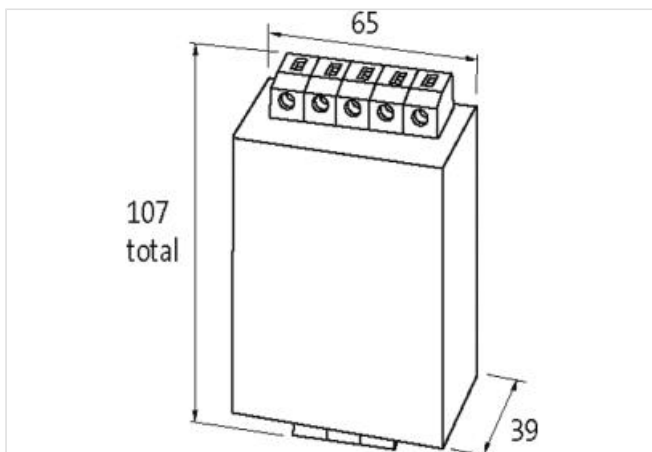
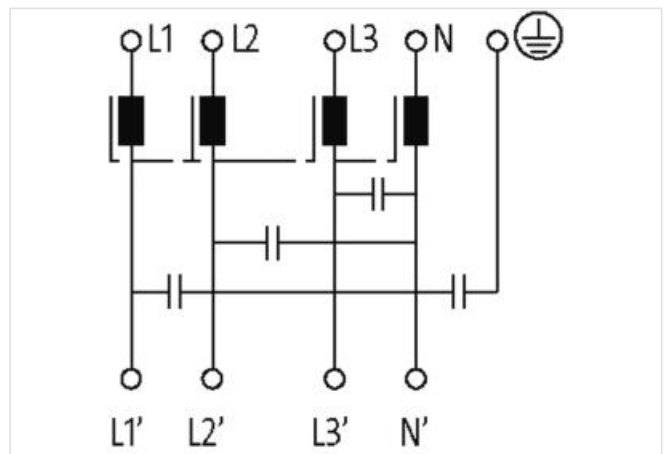
Current: 20 A

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 | 85363030      |
| GTIN                  | 4048879029261 |
| 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 <sup>2</sup> |
| Connection cross-section solid max.                  | 6 mm <sup>2</sup>   |
| Connection cross-section stranded/fine-stranded min. | 0,2 mm <sup>2</sup> |
| Connection cross-section stranded/fine-stranded max. | 4 mm <sup>2</sup>   |
| 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'                 |