

## MEF EMC-FILTER 3-PHASE 2-STAGE

I:16A U:3x500 VAC book-style

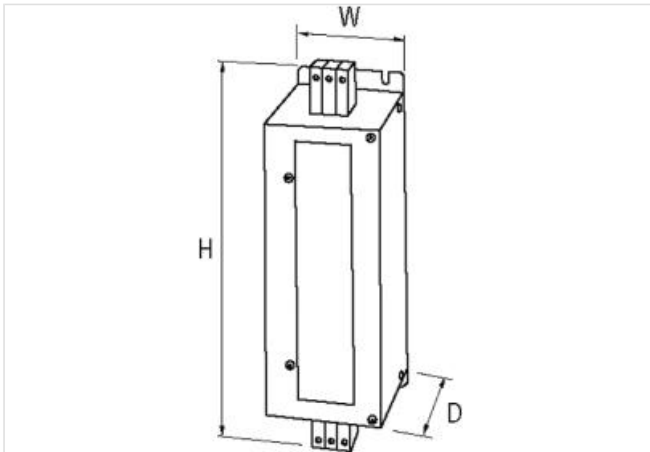
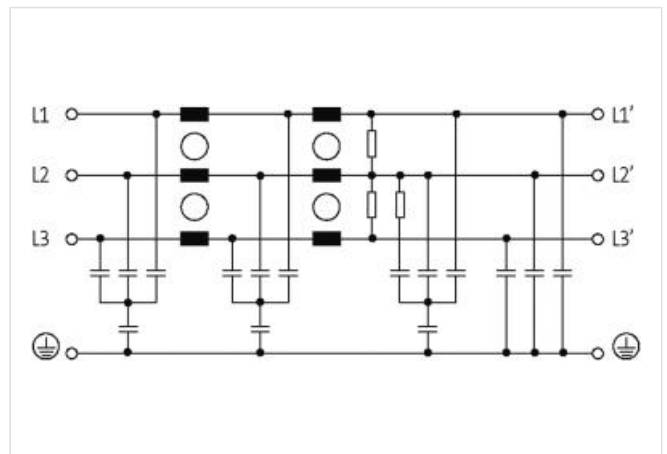
Current: 16 A

2-stage

The MEF 3/1-3/2 3-phase and 1-/2-stage mains suppression filters are used in the 0.1...30 MHz range to suppress conducted interference on mains and supply lines. They are suitable for TN-C networks. The best filter effect is achieved with short connecting lines (recommendation: PE connection < 10 cm) with the largest possible cross sections. Line suppression filters act bidirectionally (in both directions). They reduce symmetrical and asymmetrical interference, which often occurs with frequency converters and switched-mode power supplies.

### [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            | 27420208      |
| ECLASS-10.1           | 27420208      |
| ECLASS-11.1           | 27420208      |
| ECLASS-12.0           | 27420208      |
| ETIM-5.0              | EC002498      |
| customs tariff number | 85363010      |
| GTIN                  | 4048879029155 |
| Packaging unit        | 1             |

**Electrical data**

|                      |                         |
|----------------------|-------------------------|
| Leakage current max. | 15 mA @ 250 V AC, 50 Hz |
|----------------------|-------------------------|

**Electrical data | Supply**

|                           |              |
|---------------------------|--------------|
| Power frequency           | 50 ... 60 Hz |
| Operating voltage AC max. | 500 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.                  | 10 mm <sup>2</sup>  |
| Connection cross-section stranded/fine-stranded min. | 0,2 mm <sup>2</sup> |
| Connection cross-section stranded/fine-stranded max. | 6 mm <sup>2</sup>   |
| AWG number solid min.                                | 24                  |
| AWG number solid max.                                | 7                   |
| AWG number stranded/fine stranded min.               | 24                  |
| AWG number stranded/fine stranded max.               | 9                   |

**Device protection | Electrical**

|                                  |        |
|----------------------------------|--------|
| Duration insulation test voltage | 2 s    |
| Insulation test voltage L-L      | 3,1 kV |
| Insulation test voltage L-N      | 3,3 kV |

**Mechanical data | Mounting data**

|                 |         |
|-----------------|---------|
| Mounting method | screwed |
| Height          | 226 mm  |
| Width           | 50 mm   |
| Depth           | 140 mm  |

**Environmental characteristics | Climatic**

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

**Connection type 2**

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

|                       |        |
|-----------------------|--------|
| Gender                | female |
| Color contact carrier | gray   |
| No. of poles          | 3      |
| PIN 1                 | L 1'   |
| PIN 2                 | L 2'   |
| PIN 3                 | L 3'   |