

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

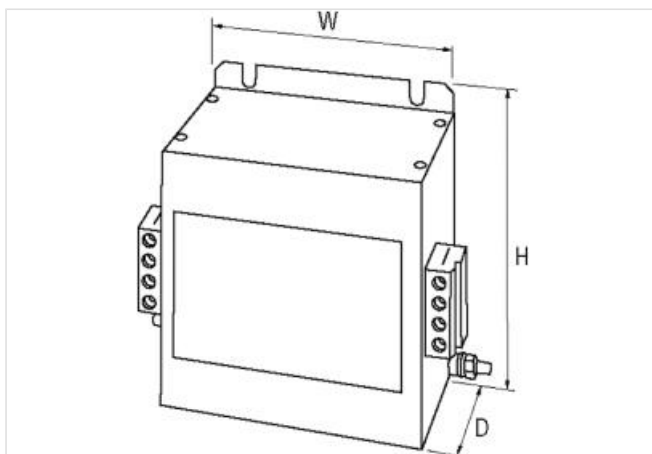
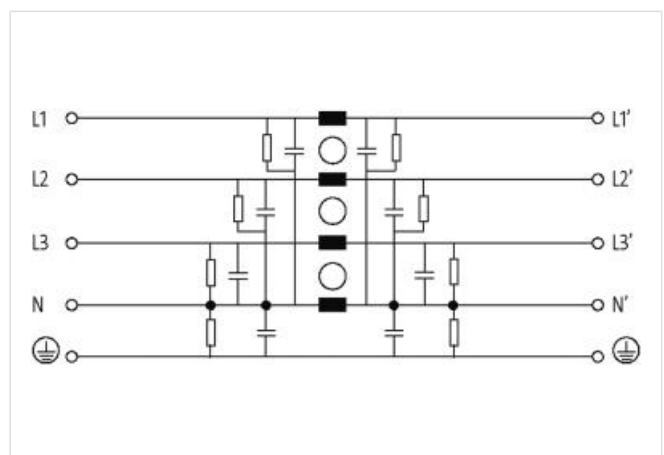
I:100A U:4x500 VAC

Current: 100 A  
with neutral  
with increased damping  
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 naar het product](#)

### Afbeelding



Product van afwijken van afbeelding



### Commerciële gegevens

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      |
| Douane tarief nummer | 85363030      |
| GTIN                 | 4048879029063 |
| Verpakkingseenheid   | 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.                  | 6 mm <sup>2</sup>  |
| Connection cross-section solid max.                  | 35 mm <sup>2</sup> |
| Connection cross-section stranded/fine-stranded min. | 10 mm <sup>2</sup> |
| Connection cross-section stranded/fine-stranded max. | 35 mm <sup>2</sup> |
| AWG number solid min.                                | 9                  |
| AWG number solid max.                                | 2                  |
| AWG number stranded/fine stranded min.               | 7                  |
| AWG number stranded/fine stranded max.               | 2                  |

**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          | 170 mm  |
| Width           | 180 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             | 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'                 |