

MEF EMC-FILTER 3-PHASE 2-STAGE

I:80A U:3x500 VAC book-style

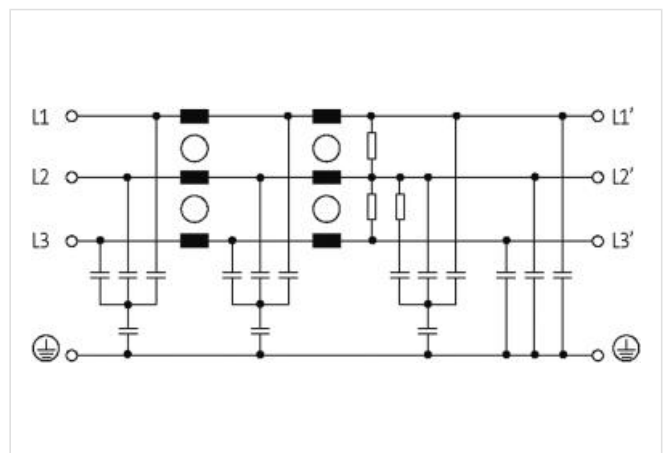
Current: 80 A

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 | 27420290 |
| ECLASS-10.1 | 27420208 |
| ECLASS-11.1 | 27420208 |
| ECLASS-12.0 | 27420208 |
| ETIM-5.0 | EC002498 |
| customs tariff number | 85363030 |
| GTIN | 4048879029117 |
| 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. | 0,5 mm ² |
| Connection cross-section solid max. | 25 mm ² |
| Connection cross-section stranded/fine-stranded min. | 0,5 mm ² |
| Connection cross-section stranded/fine-stranded max. | 16 mm ² |
| AWG number solid min. | 20 |
| AWG number solid max. | 3 |
| AWG number stranded/fine stranded min. | 20 |
| AWG number stranded/fine stranded max. | 5 |

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 | 295 mm |
| Width | 70 mm |
| Depth | 177 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' |