

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

I:100A U:4x500 VAC

Art.No.: 10577

Weight: 3.400 kg

Country of origin: IT

Model designation: MEF 3/1 N HD 100A T

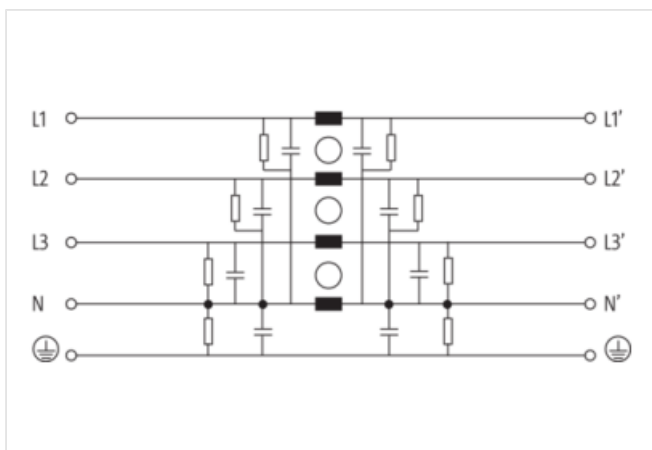
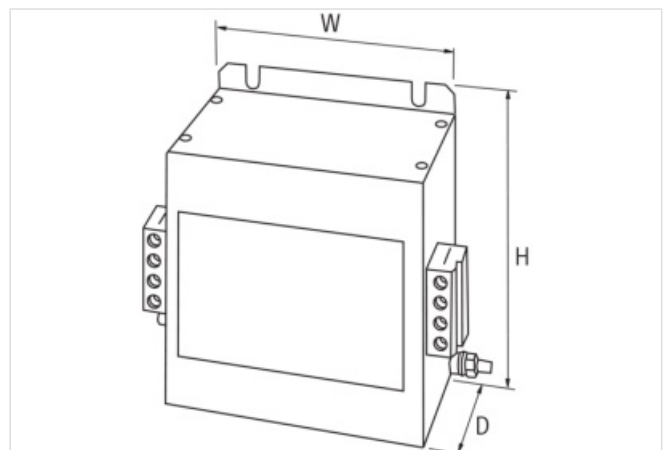
Current: 100 A

with neutral

with increased damping

Attenuation curves on request.

The 3-phase and one-stage EMC filters MEF 3/1 are used in the range 0.1...30 MHz and dampen interferences found in cables from the mains, supply units and control systems. They are suitable for TN-S, TN-C-S, and TT networks. The best results are obtained with short connection cables (suggestion: earth connection < 10 cm) of the largest possible cross-section. The EMC filters are bi-directional. They reduce symmetrical and asymmetrical interferences that regularly appear with electronically controlled three phase units through mains influences.

[Link to Product](#)**Illustration**

Product may differ from Image



| Header | |
|--|---|
| Material short text | MEF 3/1 N HD 100A T |
| Commercial data | |
| URL Webshop | https://shop.murrelektronik.com/10577 |
| GTIN | 4048879029063 |
| ECLASS-6.0 | 27130806 |
| ECLASS-6.1 | 27420201 |
| ECLASS-7.0 | 27420290 |
| ECLASS-7.1 | 27420290 |
| ECLASS-8.0 | 27420290 |
| ECLASS-8.1 | 27420290 |
| ECLASS-9.0 | 27420208 |
| ECLASS-9.1 | 27420290 |
| ECLASS-10.0.1 | 27420290 |
| ECLASS-10.1 | 27420208 |
| ECLASS-11.0 | 27420290 |
| ECLASS-11.1 | 27420208 |
| ECLASS-12.0 | 27420208 |
| ECLASS-13.0 | 27420290 |
| ECLASS-14.0 | 27420290 |
| ETIM-5.0 | EC002498 |
| ETIM-6.0 | EC002498 |
| ETIM-7.0 | EC002498 |
| ETIM-8.0 | EC002498 |
| customs tariff number | 85363030 |
| EAN | 4048879029063 |
| 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. | 6 mm ² |
| Connection cross-section solid max. | 35 mm ² |
| Connection cross-section stranded/fine-stranded min. | 10 mm ² |
| Connection cross-section stranded/fine-stranded max. | 35 mm ² |
| 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 | |
| Insulation test voltage L-N | 3,3 kV |
| Insulation test voltage L-L | 3,1 kV |
| Duration insulation test voltage | 2 s |

| Mechanical data Mounting data | |
|--|--------------------|
| Height | 170 mm |
| Width | 180 mm |
| Depth | 140 mm |
| Mounting method | screwed |
| Environmental characteristics Climatic | |
| Climatic category (EN IEC 60068-1) | 25/085/21 |
| Connection type 2 | |
| Family construction form | terminal |
| No. of poles | 4 |
| Gender | female |
| Color contact carrier | gray |
| Connection | Screw terminals SK |
| PIN 1 | L 1 |
| PIN 2 | L 2 |
| PIN 3 | L 3 |
| PIN 4 | N |
| Family construction form | terminal |
| No. of poles | 4 |
| Gender | female |
| Color contact carrier | gray |
| Connection | Screw terminals SK |
| PIN 1 | L 1' |
| PIN 2 | L 2' |
| PIN 3 | L 3' |
| PIN 4 | N' |