

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

I:6A U:4x440 VAC snap on

Art.No.: 10511

Weight: 0.326

Country of origin: IT

Model designation: MEF 3/1 N 6A T

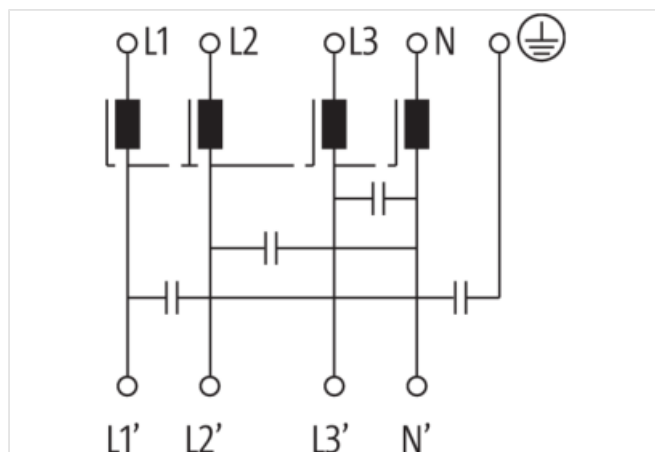
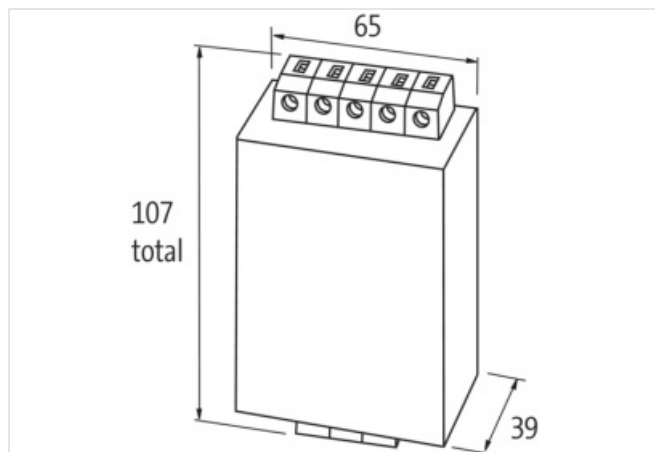
Current: 6 A

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



| Header                                               |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Material short text                                  | MEF 3/1 N 6A T                                                                            |
| Commercial data                                      |                                                                                           |
| URL Webshop                                          | <a href="https://shop.murrelektronik.com/10511">https://shop.murrelektronik.com/10511</a> |
| GTIN                                                 | 4048879029285                                                                             |
| 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                                | 85363010                                                                                  |
| EAN                                                  | 4048879029285                                                                             |
| 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                       |                                                                                           |
| Insulation test voltage L-N                          | 27 kV                                                                                     |
| Insulation test voltage L-L                          | 21 kV                                                                                     |
| Duration insulation test voltage                     | 2 s                                                                                       |

| Mechanical data   Mounting data          |                                |
|------------------------------------------|--------------------------------|
| Height                                   | 107 mm                         |
| Width                                    | 56 mm                          |
| Depth                                    | 39 mm                          |
| Mounting method                          | geschnappt                     |
| Suitable for mounting type               | Mounting rail TH35, (EN 60715) |
| Environmental characteristics   Climatic |                                |
| Climatic category (EN IEC 60068-1)       | 25/085/21                      |
| Connection type 3                        |                                |
| Family construction form                 | terminal                       |
| No. of poles                             | 1                              |
| Gender                                   | female                         |
| Color contact carrier                    | green-yellow                   |
| Connection                               | Screw terminals SK             |
| PIN 1                                    | PE                             |
| 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'                             |