

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

I:80A U:3x600 VAC book-style

Art.No.: 10537

Weight: 2.200 kg

Country of origin: IT

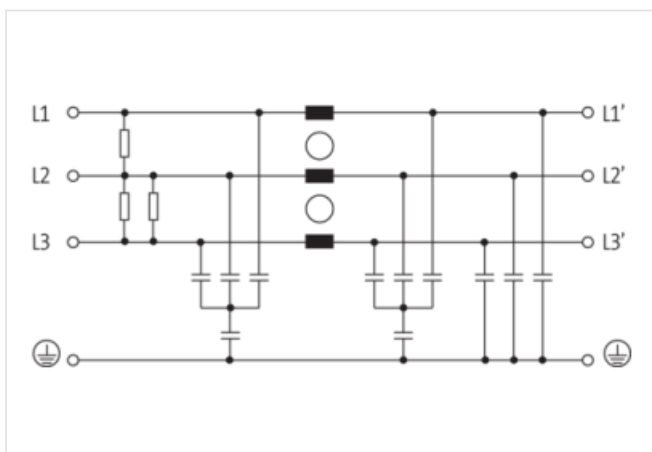
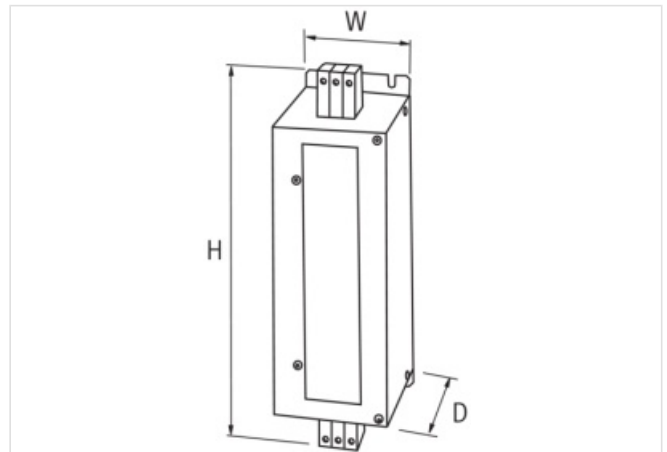
Model designation: MEF 3/1 80A T

Current: 80 A

1-stage

Attenuation curves on request.

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

**Header**

The information in this Product-PDF has been compiled with the utmost care.  
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-01-11

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|                                                      |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Material short text                                  | MEF 3/1 80A T                                                                             |
| <b>Commercial data</b>                               |                                                                                           |
| URL Webshop                                          | <a href="https://shop.murrelektronik.com/10537">https://shop.murrelektronik.com/10537</a> |
| GTIN                                                 | 4048879029209                                                                             |
| 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                                                  | 4048879029209                                                                             |
| Packaging unit                                       | 1                                                                                         |
| <b>Electrical data</b>                               |                                                                                           |
| Leakage current max.                                 | 10 mA @ 250 V AC, 50 Hz                                                                   |
| <b>Electrical data   Supply</b>                      |                                                                                           |
| Power frequency                                      | 50 ... 60 Hz                                                                              |
| Operating voltage AC max.                            | 600 V                                                                                     |
| <b>Electrical data   Input</b>                       |                                                                                           |
| Phase number input                                   | 3                                                                                         |
| <b>Electrical data   Output</b>                      |                                                                                           |
| Overload current                                     | 18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour)                             |
| <b>Installation</b>                                  |                                                                                           |
| 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                                                                                         |
| <b>Device protection   Electrical</b>                |                                                                                           |
| Insulation test voltage L-N                          | 3,3 kV                                                                                    |
| Insulation test voltage L-L                          | 3,1 kV                                                                                    |
| Duration insulation test voltage                     | 2 s                                                                                       |
| <b>Mechanical data   Mounting data</b>               |                                                                                           |

|                 |         |
|-----------------|---------|
| Height          | 270 mm  |
| Width           | 90 mm   |
| Depth           | 150 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             | 3                  |
| Gender                   | female             |
| Color contact carrier    | gray               |
| Connection               | Screw terminals SK |
| PIN 1                    | L 1                |
| PIN 2                    | L 2                |
| PIN 3                    | L 3                |
| Family construction form | terminal           |
| No. of poles             | 3                  |
| Gender                   | female             |
| Color contact carrier    | gray               |
| Connection               | Screw terminals SK |
| PIN 1                    | L 1'               |
| PIN 2                    | L 2'               |
| PIN 3                    | L 3'               |