

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

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

Art.No.: 10537

Weight: 2.2

Country of origin: IT

Model designation: MEF 3/1 80A T

Current: 80 A

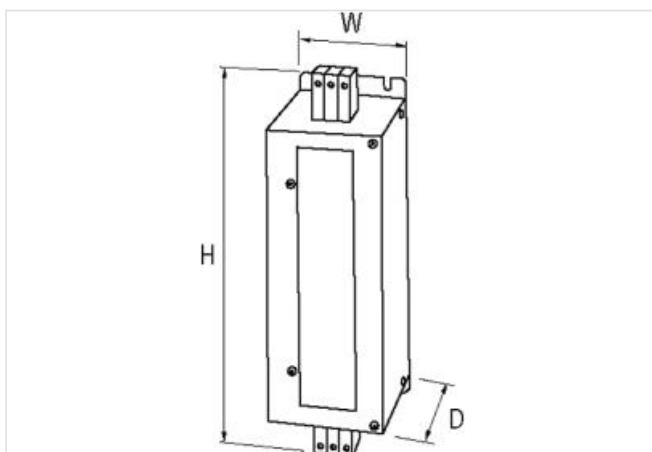
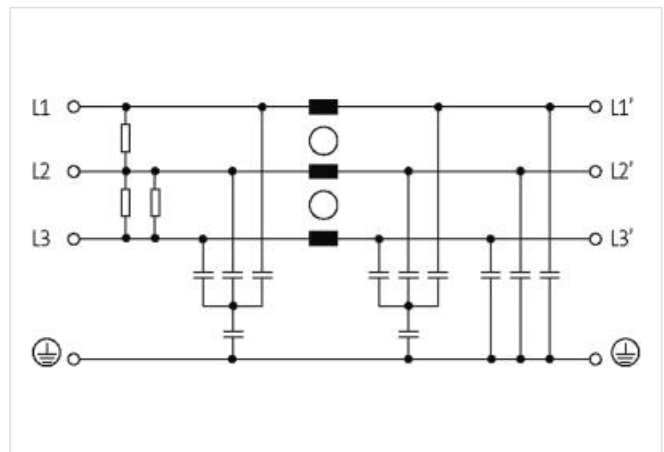
1-stage

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



#### Commercial data

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: 2025-05-13

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com

ECLASS-6.0	27130806
ECLASS-6.1	27420201
ECLASS-7.0	27420290
ECLASS-8.0	27420290
ECLASS-9.0	27420208
ECLASS-10.1	27420208
ECLASS-11.1	27420208
ECLASS-12.0	27420208
ETIM-5.0	EC002498
ETIM-6.0	EC002498
ETIM-7.0	EC002498
ETIM-8.0	EC002498
customs tariff number	85363030
GTIN	4048879029209
Packaging unit	1

**Electrical data**

Leakage current max.	10 mA @ 250 V AC, 50 Hz
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**Electrical data | Supply**

Power frequency	50 ... 60 Hz
Operating voltage AC max.	600 V

**Electrical data | Input**

Phase number input	3
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**Electrical data | Output**

Overload current	18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour)
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**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	270 mm
Width	90 mm
Depth	150 mm

**Environmental characteristics | Climatic**

Climatic category (EN IEC 60068-1)	25/085/21
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**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'