

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

I:180A U:3x600 VAC book-style

Art.No.: 10539

Weight: 5.100 kg

Country of origin: IT

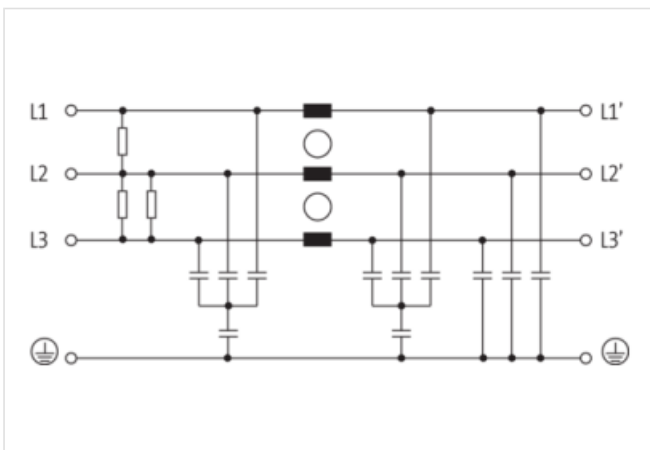
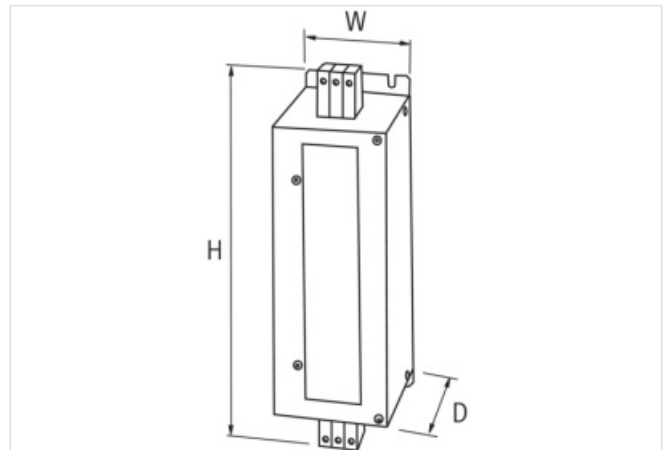
Model designation: MEF 3/1 180A T

Current: 180 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: 2025-12-24

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Material short text	MEF 3/1 180A T
<b>Commercial data</b>	
URL Webshop	<a href="https://shop.murrelektronik.com/10539">https://shop.murrelektronik.com/10539</a>
GTIN	4048879029186
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	85363090
EAN	4048879029186
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.	28 mm²
Connection cross-section solid max.	95 mm²
Connection cross-section stranded/fine-stranded min.	35 mm²
Connection cross-section stranded/fine-stranded max.	95 mm²
AWG number solid min.	3
AWG number solid max.	0
AWG number stranded/fine stranded min.	2
AWG number stranded/fine stranded max.	0
<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	380 mm
Width	120 mm
Depth	170 mm
Mounting method	screwed

**Environmental characteristics | Climatic**

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