

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

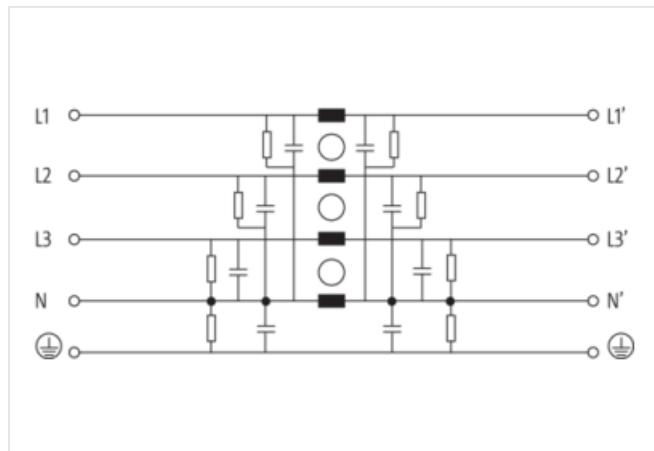
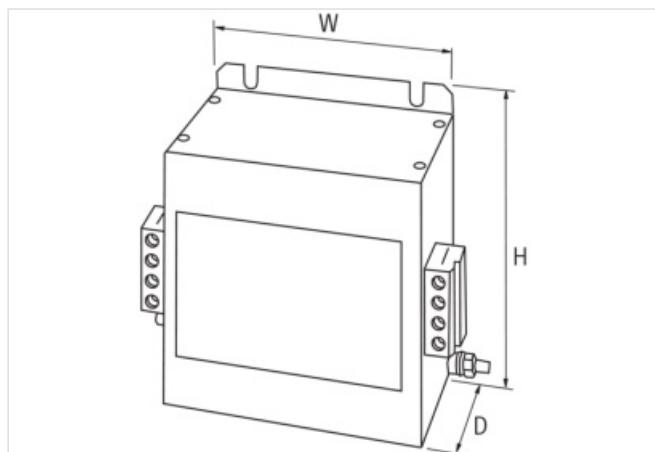
with increased damping

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
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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
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Electrical data | Supply

Power frequency	50 ... 60 Hz
Operating voltage AC max.	500 V

Electrical data | Input

Phase number input	3
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Electrical data | Output

Overload current	18x (IN t) max. 0.5 ms; 1.5x (IN t) max. 1 min. (1x per hour)
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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
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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'