

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

I:18A U:4x500 VAC

Art.No.: 10572

Weight: 1.000 kg

Country of origin: IT

Model designation: MEF 3/1 N HD 18A T

Current: 18 A

with neutral

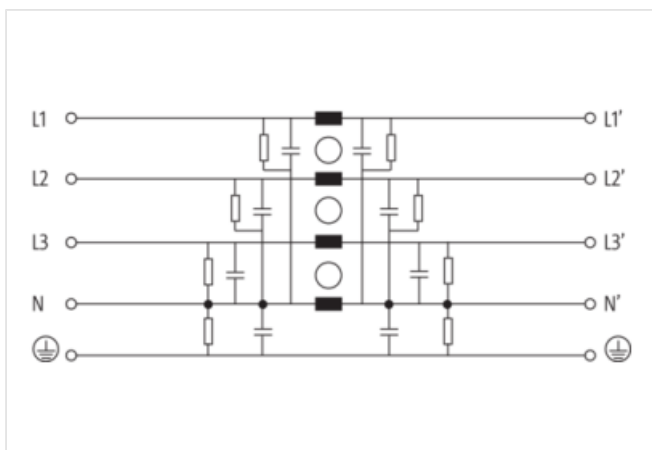
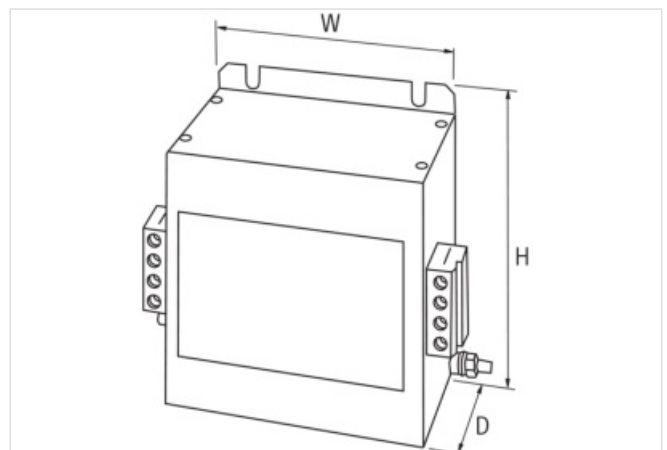
with increased damping

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 18A T
Commercial data	
URL Webshop	https://shop.murrelektronik.com/10572
GTIN	4048879029094
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	4048879029094
Packaging unit	1
Electrical data	
Leakage current max.	15 mA @ 250 V AC, 50 Hz
Electrical data Supply	
Power frequency	50 ... 60 Hz
Operating voltage AC max.	500 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 ²
Connection cross-section solid max.	10 mm ²
Connection cross-section stranded/fine-stranded min.	0,2 mm ²
Connection cross-section stranded/fine-stranded max.	6 mm ²
AWG number solid min.	24
AWG number solid max.	7
AWG number stranded/fine stranded min.	24
AWG number stranded/fine stranded max.	9
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	153 mm
Width	130 mm
Depth	100 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	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'