

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

I:20A U:4x440 VAC snap on

Art.No.: 10513

Weight: 0,361 kg

Country of origin: IT

Model designation: MEF 3/1 N 20A T

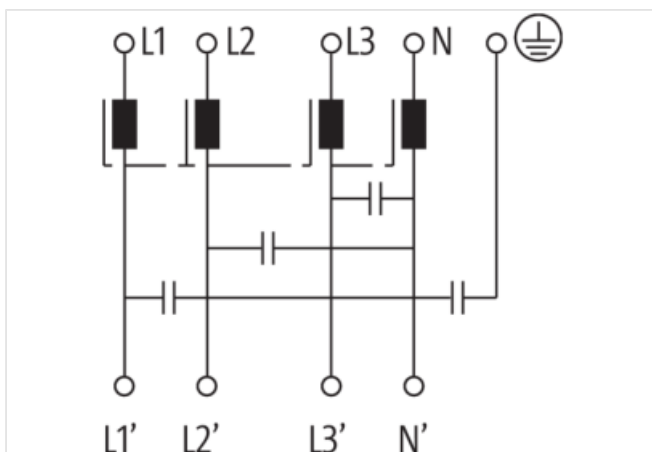
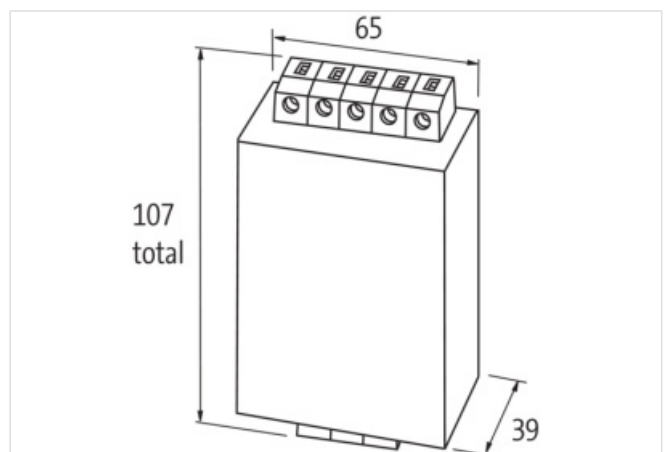
Current: 20 A

DIN-rail mountable

with neutral

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 20A T
Commercial data	
URL Webshop	https://shop.murrelektronik.com/10513
GTIN	4048879029261
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	4048879029261
Packaging unit	1
Electrical data	
Leakage current max.	3 mA @ 250 V AC, 50 Hz
Electrical data Supply	
Power frequency	50 ... 60 Hz
Operating voltage AC max.	440 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.	6 mm ²
Connection cross-section stranded/fine-stranded min.	0,2 mm ²
Connection cross-section stranded/fine-stranded max.	4 mm ²
AWG number solid min.	24
AWG number solid max.	9
AWG number stranded/fine stranded min.	24
AWG number stranded/fine stranded max.	11
Device protection Electrical	
Insulation test voltage L-N	2,7 kV
Insulation test voltage L-L	2,1 kV
Duration insulation test voltage	2 s

Mechanical data Mounting data	
Height	107 mm
Width	56 mm
Depth	39 mm
Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35, (EN 60715)
Environmental characteristics Climatic	
Climatic category (EN IEC 60068-1)	25/085/21
Connection type 3	
Family construction form	terminal
No. of poles	1
Gender	female
Color contact carrier	green-yellow
Connection	Screw terminals SK
PIN 1	PE
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'