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

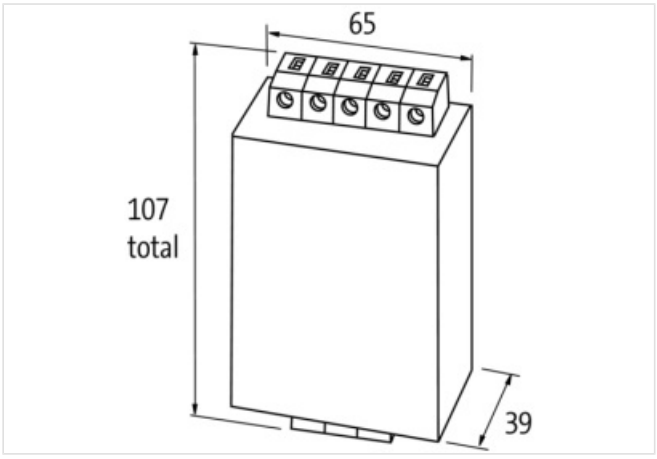
I:20A U:4x440 VAC snap on

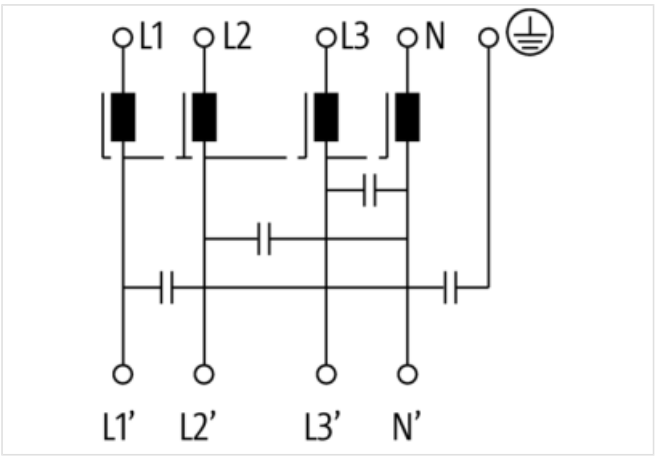
Art.No.: 10513
Weight: 0,361 kg
Country of origin: IT
Model designation: MEF 3/1 N 20A T

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

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Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-11-15

Commercial data	
URL webshop	https://shop.murrelektronik.com/10513
GTIN	4048879029261
EU-Customs tariff number	85363030
US-Customs tariff number	8536308000
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	27420290
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
ETIM-9.0	EC002498
ETIM-10.0	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	
Mains 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 mm²
Connection cross-section solid max.	6 mm²
Connection cross-section stranded/fine-stranded min.	0.2 mm²
Connection cross-section stranded/fine-stranded max.	4 mm²
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

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Duration insulation test voltage	2 s
Mechanical data | Mounting data	
Height	107 mm
Width	56 mm
Depth	39 mm
Mounting method	Snapped
Suitable for mounting type	Mounting rail TH35, (EN 60715)
Environmental characteristics | Climatic	
Climatic category (EN IEC 60068-1)	25/085/21
Connection type 3-3	
Family construction form	Terminal
No. of poles	1
Gender	Female
Color contact carrier	Green-yellow
Connection type	Screw terminals SK
PIN 1	PE
Family construction form	Terminal
No. of poles	4
Gender	Female
Color contact carrier	gray
Connection type	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 type	Screw terminals SK
PIN 1	L 1'
PIN 2	L 2'
PIN 3	L 3'
PIN 4	N'

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