MEF EMC-FILTER 1-PHASE 2-STAGE

I:3A U:250 VAC/300 VDC snap on
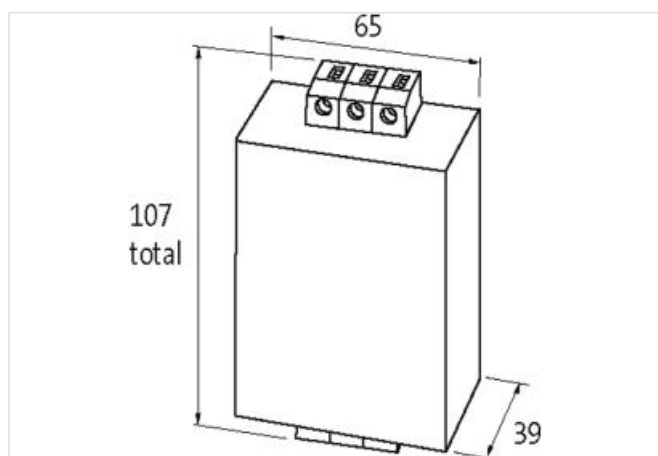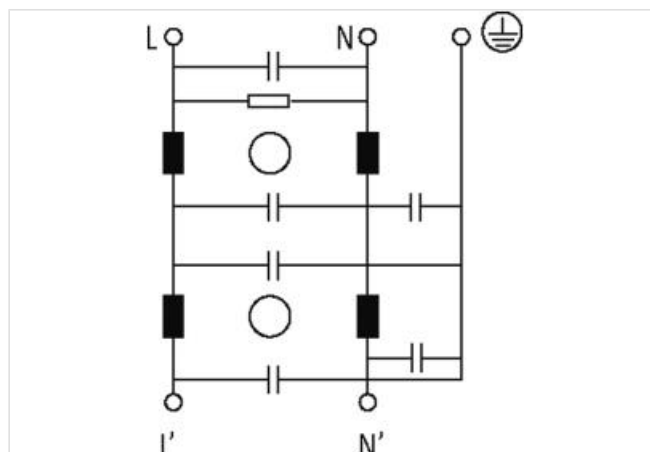
Current: 3 A
DIN-rail mountable
Attenuation curves on request.
against symmetrical interferences
The single phase 2-stage EMC filters MEF 1/2 are used in the range 0.1...30 MHz to suppress cable carried interference on mains and control cables. The best filter performance is achieved by using short connection wires (suggestion: earth connection < 10 cm) and the largest possible diameter. The EMC filters work bi-directionally (in both directions). The filters are for demanding applications. The filters are designed for use with fixed modules. One step of the filter is always for the suppression of asymmetrical interferences (magnetically compensated suppression). The second step is, dependant on application for symmetrical or asymmetrical interferences.

Link to Product

Illustration

Product may differ from Image

General product information

Suitable for application range	Devices with fast switching frequency and high repetition rate, Power Supply Units, before transformers, for frequency converters, in DC networks
Suitable for type of fault	asymmetrical interferences

Commercial data

ECLASS-6.0	27130806
ECLASS-6.1	27420201
ECLASS-7.0	27420290
ECLASS-8.0	27420290
ECLASS-9.0	27420290
ECLASS-10.1	27420208
ECLASS-11.1	27420208
ECLASS-12.0	27420208
ETIM-5.0	EC002498
customs tariff number	85363010
GTIN	4048879029322
Packaging unit	1

Electrical data

Leakage current max.	5 mA @ 250 V AC, 50 Hz

Electrical data | Supply

Power frequency	50 ... 60 Hz
Operating voltage AC max.	250 V
Operating voltage DC max.	300 V

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

Duration insulation test voltage	2 s
Insulation test voltage L-L	2,1 kV
Insulation test voltage L-N	2,7 kV

Mechanical data | Mounting data

Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35, (EN 60715)
Height	107 mm
Width	56 mm
Depth	39 mm

Environmental characteristics | Climatic

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

Connection type 3

Connection	Screw terminals SK
Family construction form	terminal
Gender	female

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: 2024-04-16

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Color contact carrier	green-yellow
No. of poles	1
PIN 1	PE
Connection	Screw terminals SK
Family construction form	terminal
Color contact carrier	gray
No. of poles	2
PIN 1	L
PIN 2	N
Connection	Screw terminals SK
Family construction form	terminal
Color contact carrier	gray
No. of poles	2
PIN 1	L'
PIN 2	N'