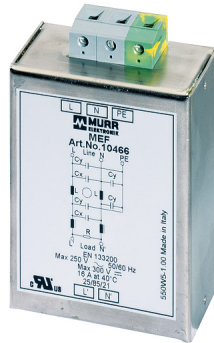


**MEF EMC-Filter 1-phase 2-stage I:3A U:250 VAC/300 VDC snap on**

Current: 3 A  
rail mountable

**Image**

- against symmetrical interference

Vicarious picture

**Approvals****Technical Data**

Operating voltage	max. 250 V AC/300 V DC
Operating frequency	0...60 Hz
Consumption at 250 V AC	max. 5 mA
Test voltage (EN 60939-2)	L - N: 2.7 kV DC, 2 s; L - L: 2.1 kV DC, 2 s
Overload current	18 × IN t < 0.5 ms; 1.5 × IN t < 1 min. (1 × per hour)
Connection diameter	0.2...6 mm <sup>2</sup> single core (AWG 24...9); 0.2...4 mm <sup>2</sup> multiple core (AWG 24...11)

**General data**

Connection	Screw connection, touch protected
Climatic category	25/85/21 (EN 600068-1)
Dimensions H × W × D	107 x 65 x 39 mm
Mounting method	DIN-rail mountable TH35 (EN 60715)

**Description**

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. Application:

Application	symmetrical interferences: units with high repetitions of the switching processes, - switch mode P.S.U.s, - phase angle controller, - supply of universal motors, - behind transformers
-------------	---

**Commercial data**

Net weight	450
Net weight	450
Weight unit	gram
Basic unit	pc.
Customs tariff number	85363010
Unit (piece)	1
Limited value	1

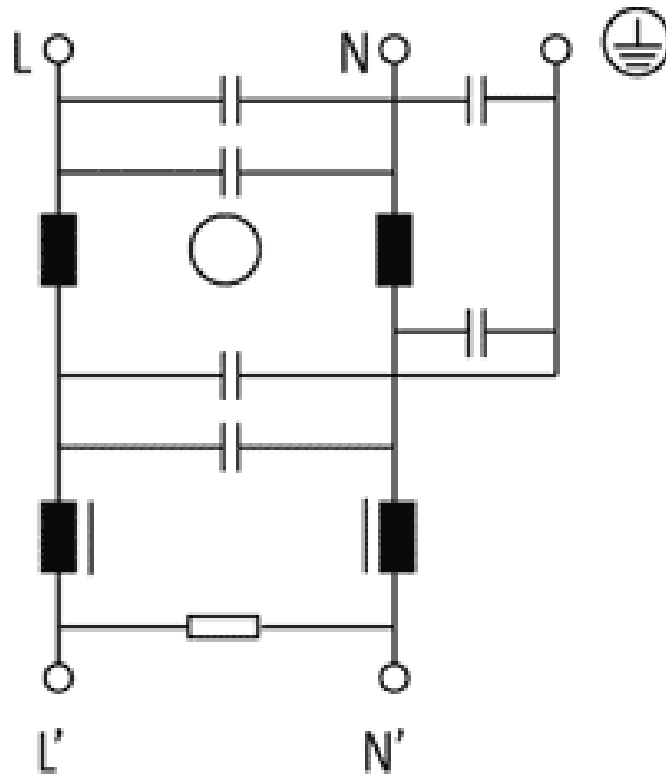
**Comments**

Attenuation curves on request.

All data on this data sheet was compiled carefully.

Liability regarding correctness, completeness, and actuality is limited to gross negligence. Created: 06/12

## Circuit diagram



Representante oficial de:



[Argentina – Uruguay – Paraguay – Bolivia – Colombia – y Perú.]



Calle 49 N° 5764 - Villa Ballester (B1653AOX) - Prov. de Buenos Aires - ARGENTINA  
Tel: (+54 11) 4768-4242 / Fax: (+54 11) 4849-1212  
Mail: [ventas@nakase.com.ar](mailto:ventas@nakase.com.ar) / Web: [www.nakase.com.ar](http://www.nakase.com.ar)

