

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

Current: 1 A
DIN-rail mountable

Image

- against symmetrical interferences

Vicarious picture

Technical Data

Operating voltage	max. 250 V AC/300 V DC
Operating frequency	50...60 Hz
Overload current	18 × (IN t) max. 0.5 ms; 1.5 × (IN t) max. 1 min. (1 × per hour)
Consumption at 250 V AC	max. 5 mA
Connection cross section	0.2...6 mm ² single core (AWG 24...9); 0.2...4 mm ² multiple core (AWG 24...11)

General data

Climatic category	25/085/21 (EN 60068-1)
Test isolation voltage	L - N: 2.7 kV DC, 2 s; L - L: 2.1 kV DC, 2 s (EN 60939-2)
Connection	Screw connection, touch protected
Mounting method	DIN-rail mountable TH35 (EN 60715)

Description

Functional 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	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

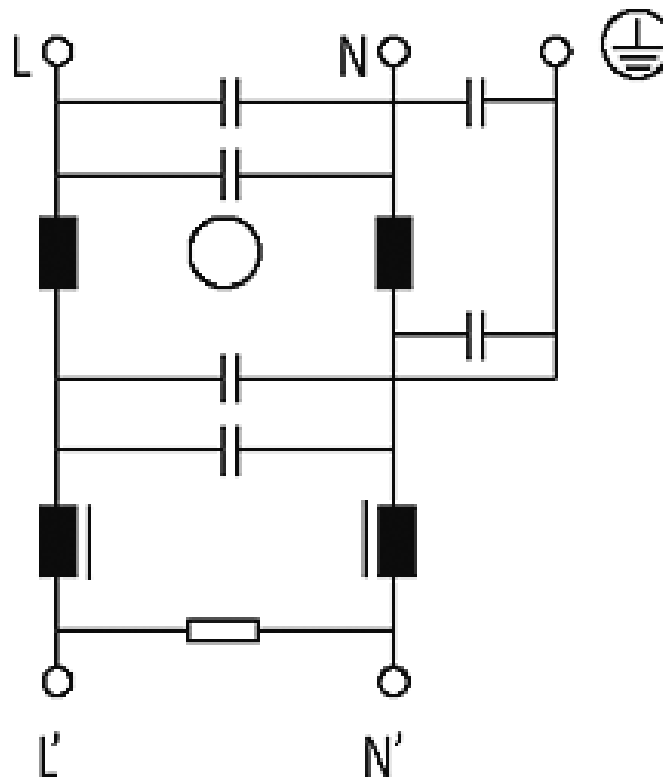
Commercial data

Net weight	450
Weight unit	Gram
Basic unit	pc.
Customs tariff number	85363010
Unit (piece)	1
Minimum order quantity (piece)	1

Comments

Attenuation curves on request.

Circuit diagram



Dimension drawing

