

Three-phase EMI filter CW4M, 380VAC

Product codes:

Reference: AM2359

EAN13: -

UPC: 85044090

Product features:

Rated voltage: 380 V AC

Frequency: 50-60 Hz

Operating temperature: -25°C - +85°C



Product attributes:

Max. current peak: 3 A, 6 A, 10 A, 20 A,
30 A

Product description:

Three-phase four-wire mains EMI filter for suppressing electromagnetic interference in power lines of 3f systems. It is intended for installations with higher current loads, where it is required to limit the propagation of interference between the power network and the connected equipment (e.g. switchboards, industrial power supplies, converters and other power electronics).

Technical specifications

- Type: three-phase four-wire EMI filter
- Model: CW4M-XXX-R
- Rated current: 3A, 6A, 10A, 20A, 30A (depending on variant)
- Rated voltage (AC): 380 V AC
- Operating network frequency: 50/60 Hz
- Mounting: fixing via mounting holes
- Connection: terminal block
- Leakage current: 0.5 mA
- Dimensions: 97x55.5x45mm
- Operating temperature: -25 to +85 °C

- Housing: nickel-plated metal casing
- Certification (according to documents): CE, RoHS

Functions and features

- Interference filtering on the power supply branch for 3ph + N applications (L1, L2, L3, N) with protective conductor (G)
- Metal shielded design to reduce radiation and improve the EMC performance of the assembly
- Terminal connection suitable for fixed installation in control cabinets
- Screw mounting via mounting holes for mechanically stable attachment

Ideal for

- Industrial switchboards and distribution cabinets
- Switching power supplies and power supply branches
- Frequency converters, servo drives and other 3ph power devices
- Applications with increased EMC requirements and interference suppression between the network and the load

Package contents

- 1× EMI filter CW4M-20A-R

Why choose this product?

- Clearly defined electrical parameters for 3ph network 380 VAC and current 20 A
- Industrial design with metal housing and terminal block for fixed installation
- Suitable solution for reducing the propagation of high-frequency interference in power lines

Installation and operating instructions

- Connect according to the terminal markings: input (LINE) and output (LOAD) for L1, L2, L3 and N; connect the protective conductor to terminal G.
- To achieve effective filtration, install the filter as close as possible to the point where power enters the device and minimize the length of unshielded wires.
- Ensure a firm mechanical attachment through the mounting holes and reliable grounding of the metal casing.

Safety notice

- The device is designed to work with a dangerous mains voltage of 380 VAC. Installation may only be carried out by a qualified person.
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- Always disconnect the power supply and verify that there is no voltage before assembly, wiring or maintenance.
- The protective earth (G/PE) must be connected correctly and with low impedance; incorrect earthing can reduce the filtration efficiency and increase the risk of injury.

Product gallery:

