

# Single-phase EMI filter CW4EL2, 115/250VAC

Reference: AM3871  
EAN13: -  
HS code: 85044090



## Product attributes:

Max. current peak: 3 A, 6 A, 10 A, 20 A, 30 A, 40 A

## Product features:

Rated voltage: 115/250 V AC  
Frequency: 50-60 Hz  
Operating temperature: -25 až +85 °C

## Product description:

The CW4EL2 single-phase mains EMI filter is designed to suppress high-frequency interference (differential and common mode) on AC power lines. It is used at the input of the device between the power supply network and the load, where it contributes to reducing the propagation of interference into the network and increasing the device's immunity to interference from the environment.

## Technical specifications

- Filter type: single-phase AC EMI filter
- Model: CW4EL2-XXX-R
- Rated voltage: 115/250VAC
- Rated current: 3A, 6A, 10A, 20A, 30A, 40A (depending on variant)
- Connection: two-stage filtering
- Connection: terminal block
- Mounting: mounting holes
- Operating temperature: -25 to +85 °C
- Cover: metal, nickel-plated
- Certification: CE, RoHS
- Climate category: 25/085/21

## Functions and features

- Suppression of interference in a wide frequency range typical of switched-mode power supplies and power electronics
- Differential and common mode interference filtering
- Metal shielded design for reduced radiation and better EMC behavior
- Screw terminals for fixed wire connection

## Ideal for

- Switching power supplies and industrial power supplies
- Servo drives, inverters and motor applications
- Industrial control systems and switchboards
- Equipment requiring reduction of conducted interference on the mains supply

## Package contents

- 1 pc EMI filter CW4EL2

## Why choose this product?

- Rated parameters suitable for single-phase power applications up to 250VAC
- Two-stage filtering for effective suppression of conducted interference
- Robust metal design and standard terminal connection for installation in control cabinets

## Installation and operating instructions

- Install the filter as close as possible to the point where the power enters the device.
- Observe the orientation of the input and output: connect the network to the LINE terminals, the load to the LOAD terminals.
- Connect the protective conductor (PE/ground) to the appropriate ground terminal and ensure good grounding of the metal structure.
- To achieve effective filtration, route input and output wires separately and minimize their overlap.

## Safety notice

- The device is designed to operate with a mains voltage of up to 250VAC. Incorrect installation may result in electric shock or damage to the device.
- Installation and connection may only be carried out by a qualified person with the power supply disconnected.
- Always ensure proper grounding and comply with applicable standards and regulations for installation in switchboards.

