

LED Converter C500/48

Type:

Electronic converter for the operation of light emitting diodes (LEDs) in series connection.

Functional description:

- The input voltage (e.g. 230 V, 50 Hz) is rectified and smoothed by means of a capacitor.
- An additional electronic circuitry generates a constant output current for the LEDs.
- The output current is preset to 500 mA DC.
- The output voltage automatically adjusts to the respective load.

Primary data:

230 V (+/- 10 %), 50/60 Hz, max. 0.17 A

Secondary data:

C500/48: 48 V (DC), 500 mA (+/- 5 %)

Fuses:

1 A embedded, non-replaceable melting fuses

Short-circuit / open-circuit protection:

The converters are short-circuit- and open-circuit-proof (no cut-off).

Galvanic isolation:

The input and output are galvanically isolated.

Weight: 0.27 kg

Radio interference suppression:

According to VDE 0875, Part 2A1 (EN 55015)

Temperatures:

Ambient temperature range: -25 to +55°C

Housing:

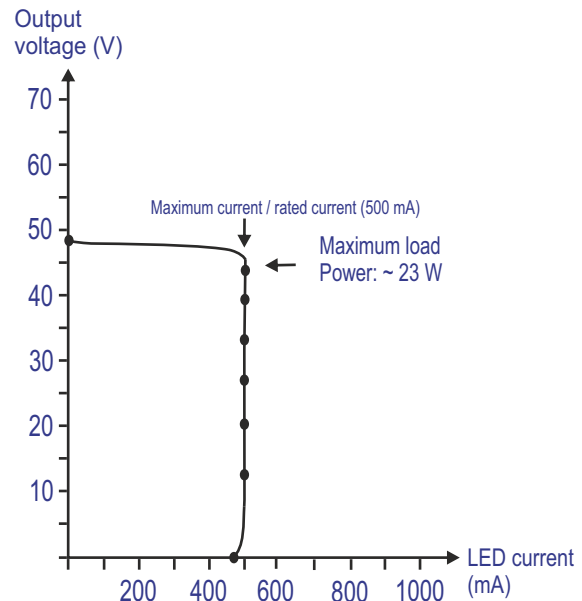
Hard PVC shell
Fire protection class: B1
Standard colour: white
Sealing compound: polyurethane (black)

Class of protection: II

Degree of protection: IP 67

Output characteristic C500/48

(for 1.75 W LEDs)

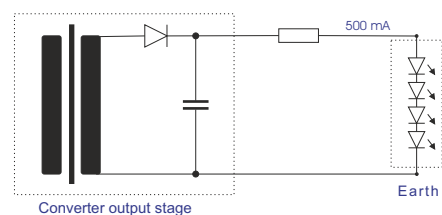


Maximum loading with high-power LEDs (1.75 W):

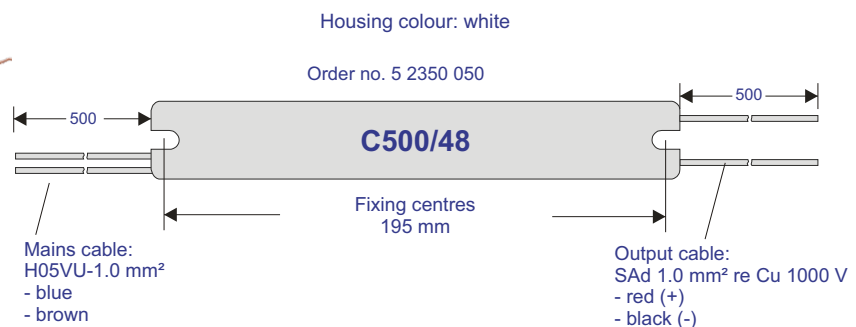
- 1.75 W white, blue, green : 2 - 14 LEDs
- 1.75 W red, yellow, amber : 3 - 21 LEDs

The power consumption depends on the operating current and the operating voltage of the LED. At 500 mA the maximum consumption is approx. 1.75 W.

Typical connection of LEDs on the output side



Housing dimensions:



Technical modifications reserved. Content is protected by copyright.

January 2019 C500-48-e/01/2019