

LED Converter C50/500D

Type:

Electronic converter for the operation of light emitting diodes (LEDs) in series connection, dimmable via control-input (0 - 10 V).

Functional description (control input open):

- 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 50 mA DC.
- The output voltage automatically adjusts to the respective load.

Control input:

Galvanically isolated control input (0 - 10 V)
Control via voltage reduction
Current consumption max. -20 µA

Primary data:

230 V (+/- 10 %), 50/60 Hz, max. 0.16 A

Secondary data (control input open):

C50/500D: 510 V (DC, max.), 50 mA (+/- 5 %)

Fuses:

1A embedded, non-replaceable melting fuse
Fusing resistor in output cable

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: 0.54 kg

Radio interference suppression:

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

Temperatures:

Ambient temperature range: -25 to +55°C

Housing:

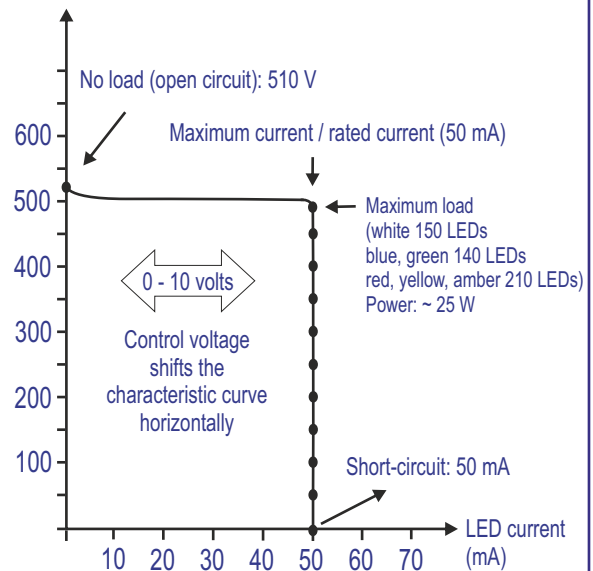
Hard PVC shell
Fire protection class: B1
Standard colour: white
Sealing compound: polyurethane (black)

Class of protection: II

Degree of protection: IP 67

Output characteristic C50/500D

Output voltage (V)



Maximum loading:

White	150 LEDs
Blue, green	140 LEDs
Red, yellow, amber	210 LEDs

Control input function:

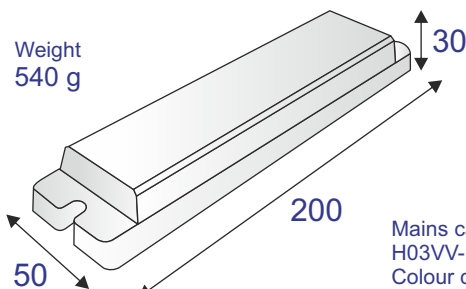
Control voltage: 0 - 10 V DC

- 0 V: no LED current
- 5 V: ~ 50 % LED current
- 10 V: maximum LED current

Control input open: maximum LED current
Control input short-circuited: no LED current

Housing dimensions

Weight
540 g



Control cable:
H03VV-F, 2 x 0.75
Colour coding: red, black
Length: 1000 mm

Order no. 5 2550 051

Output cables:
SAd 1.0 mm² re Cu 1000 V
Length: 500 mm
red (+), black (-)

Mains cable:
H03VV-F, 2 x 0.75
Colour coding: brown, blue
Length: 1000 mm



Housing colour: white
All dimensions in millimetres



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