

## LED Converter C500/200D

### Type:

Electronic converter for the operation of high-power light emitting diodes (1.75 W LED) 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 500 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. 0.52 A

### Secondary data (control input open):

C500/200D: 180 V (DC, max.), 500mA (+/- 5 %)

### Fuses:

1A embedded, non-replaceable melting fuse

### 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:

1.00 kg

### Radio interference suppression:

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

### Temperatures:

Ambient temperature range: -25 to +55°C

### Housing:

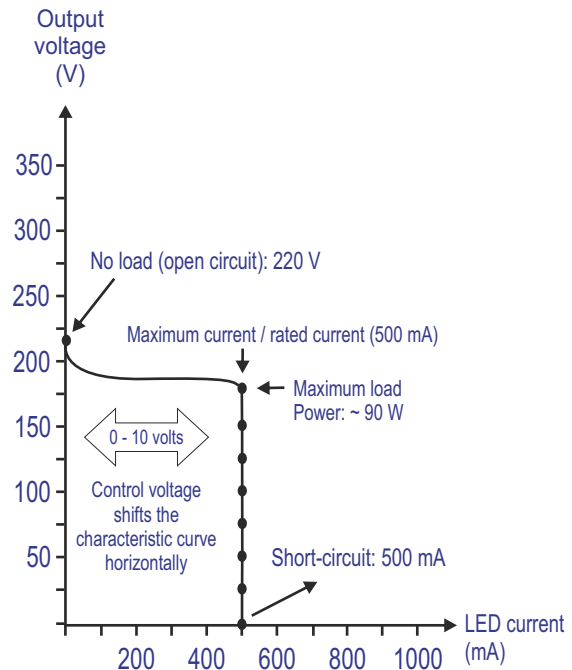
Hard PVC shell  
Fire protection class: B1  
Standard colour: white  
Sealing compound: polyurethane (black)

### Class of protection: I

### Degree of protection: IP 67

### Output characteristic C500/200D

(for 1.75 W power LEDs)



### Maximum loading with 1.75 W high-power LEDs

White, blue, green : 50 LEDs  
Red, yellow, amber : 80 LEDs

### Control input function:

Control voltage: 0 - 10 V DC

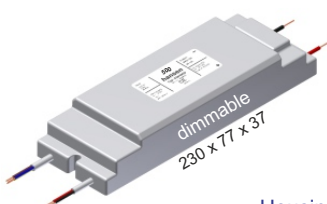
- 0 V: no LED current
- 5 V: ~ 50 % LED current
- 10 V: maximum LED current

Control input open: maximum LED current

Control input short-circuited: no LED current

### Housing dimensions

Weight  
1,000 g



Order no. 5 2350 200

Housing colour: white (Standard)  
All dimensions in millimetres

Control cable:  
H03VV-F, 2x0.75  
Colour coding: red, black  
Length: 1,000 mm

Mains cable:  
H03VV-F, 3x0.75  
Colour coding: brown, blue  
Length: 1,000 mm

Output cables:  
SAd 1.0 mm<sup>2</sup> re Cu 1000 V  
Length: 500 mm  
red (+), black (-)



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