

## LED Converter C100/300D

### 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 100 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  $\mu$ A

### Primary data:

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

### Secondary data (control input open):

C100/300D: 280 V (DC, max.), 100 mA (+/- 5 %)

### Fuses:

1 A 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: 0.54 kg

### Radio interference suppression:

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

### Temperatures:

Ambient temperature range: -25 to +55°C

### Housing:

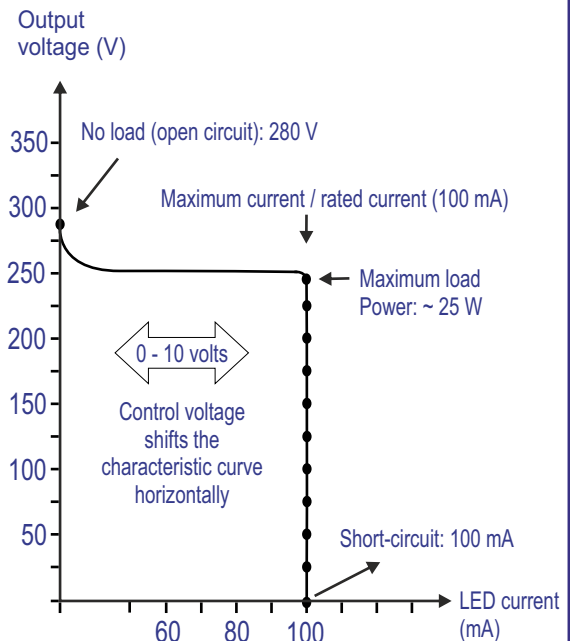
Hard PVC shell  
Fire protection class: B1  
Standard colour: white  
Sealing compound: polyurethane (black)

### Class of protection: II

### Degree of protection: IP 67

### Output characteristic C100/300D

(for 0.4 W power LEDs)



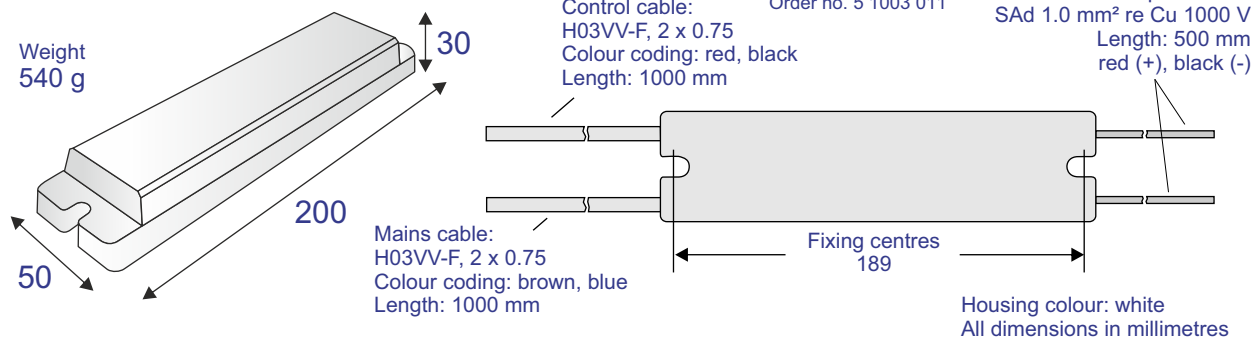
### Maximum loading with 0.4 W power LEDs:

White	85 LEDs
Blue, green	80 LEDs
Red, yellow, amber	120 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



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