

LED Converter C25/300D

Type:

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

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 25 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. 0.22 A

Secondary data (control input open):

C25/300D: 315 V (DC, max.), 25 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 **not** galvanically isolated.

Weight: 0.30 kg

Radio interference suppression:

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

Temperatures:

Ambient temperature range: -25 to +55°C

Housing:

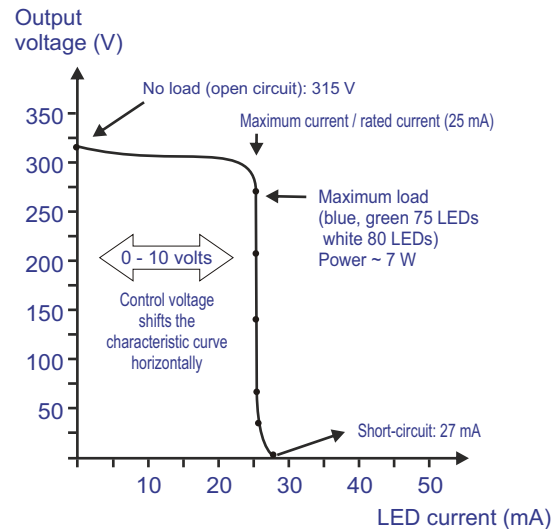
Hard PVC shell
Fire protection class: B1
Standard colour: white
Sealing compound: polyurethane (black)

Class of protection: I

Degree of protection: IP 67

Output characteristic C25/300D

(for white, blue, green LEDs)



Maximum loading with standard LEDs:

Blue, green 75 LEDs
White 80 LEDs

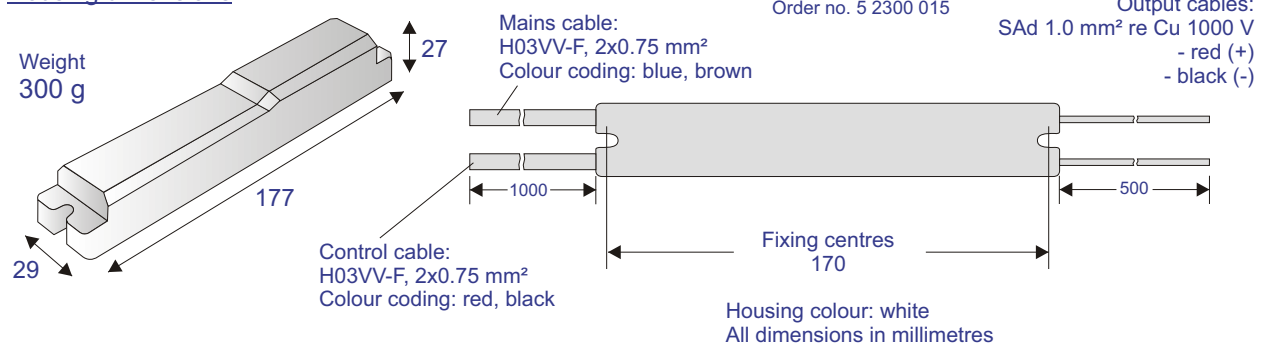
Control input function:

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



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