

LED Converter C25/990D

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):

C25/990D: 990 V (DC, max.), 25 mA (+/- 5 %)

Fuses:

1 A 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

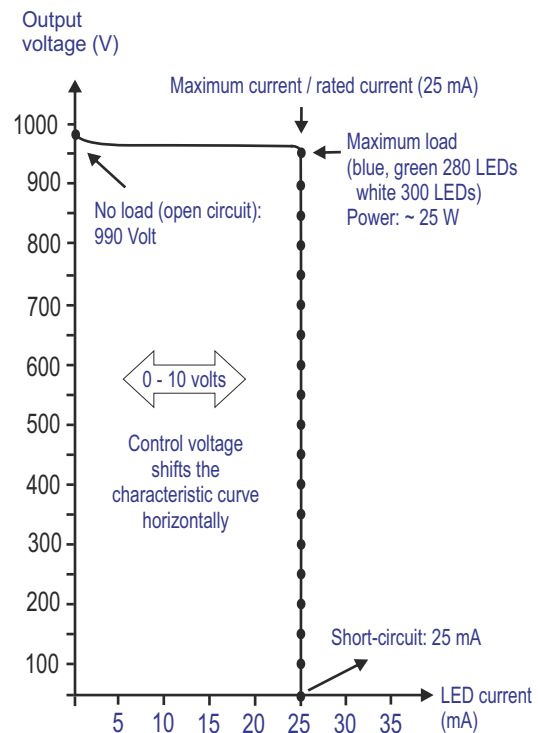
Housing:

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 C25/990D



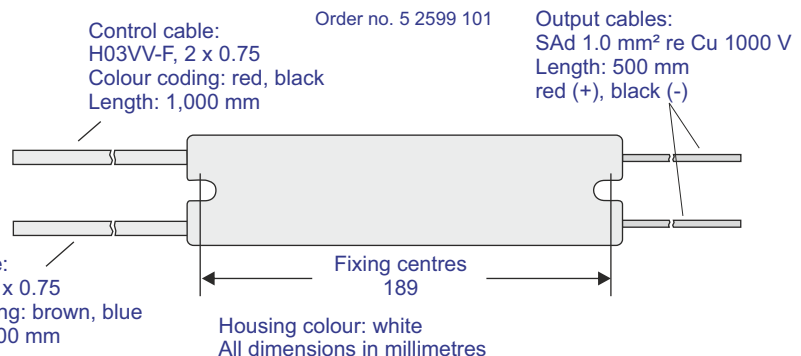
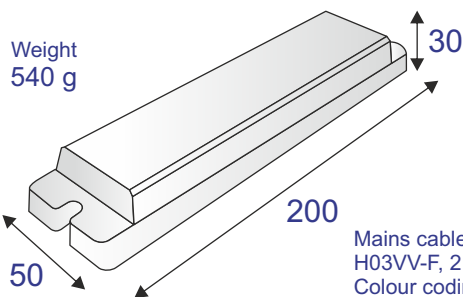
Maximum loading with standard LEDs:

Blue, green 280 LEDs
White 300 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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