LED Converter Type C750/85D

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

Control input:
Galvanically isolated control input (0 - 10 V)

Primary data:
230 V (+/- 10 %), 50/60 Hz, max. 0.34 A

Secondary data (control input open):
C750/85D: 85 V (DC, max.), 750 mA (+/- 5 %)

Fuses:
1 A embedded, non-replaceable melting fuses

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: 0.75 kg

Radio interference suppression:
According to VDE 0875, Part 2A1 (EN 55015)

Temperatures:
Ambient temperature range: -25 to +65°C

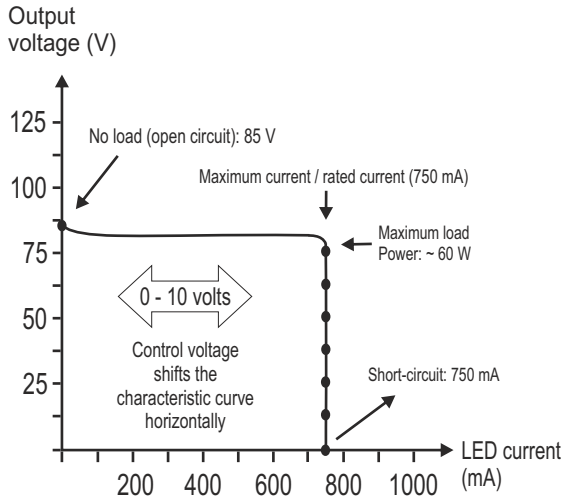
Housing:
Hard PVC shell
Fire protection class: B1
Standard colour: white
Sealing compound: polyurethane (black)

Class of protection: II

CE

Degree of protection: IP 67

Output characteristic C750/85D
(for 2.5 W power LEDs)



Maximum loading with high-power LEDs (2.5 W):

2.5 W white, blue, green : 20 LEDs
2.5 W red, yellow, amber : 28 LEDs

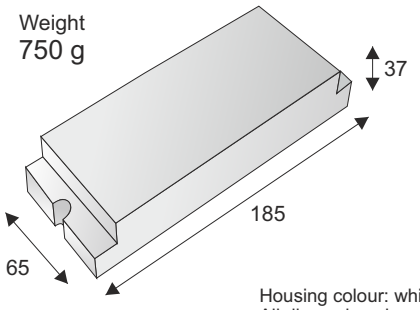
The power consumption depends on the operating current and the operating voltage of the LED. At 750 mA the maximum consumption is approx. 2.5 W.

Control input function:

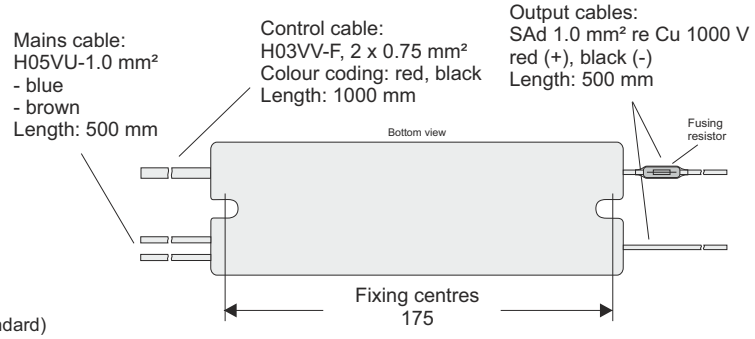
Control voltage: 0 - 10 V DC
- 0 V: no LED current
- 5 V: ~ 50 % LED current
- 10 V: maximum LED current

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

Housing dimensions:



Housing colour: white (standard)
All dimensions in millimetres



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Hansen Neon GmbH
25855 Haselund, Germany
www.hansen-neon.com

Contact:
Hansen Neon GmbH *Global Distribution Office*
Tel. +45 75 45 22 11 • Fax +45 75 13 71 21
e-mail: info@hansen-neon.com