

LED Converter Type C750/140D

hansen

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. 0.52 A

Secondary data (control input open):

C750/140D: 140 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: 1.35 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)

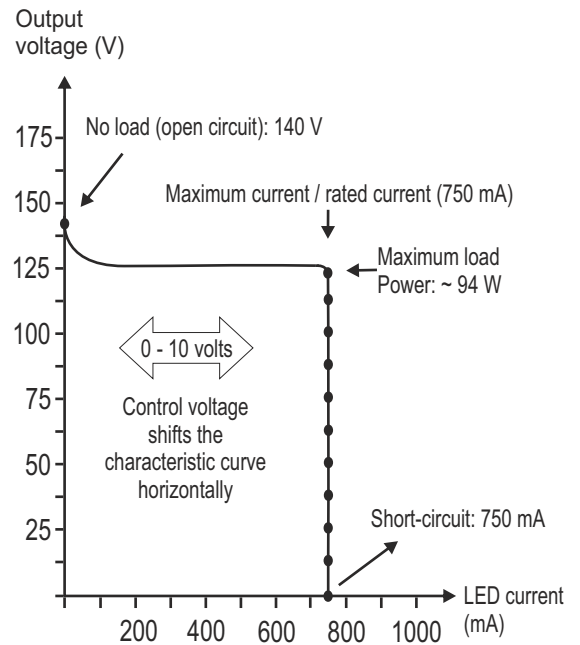
Class of protection: I



Degree of protection: IP 67

Output characteristic C750/140D

(for 2.5 W power LEDs)



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

White, blue, green : 33 LEDs

Control input function:

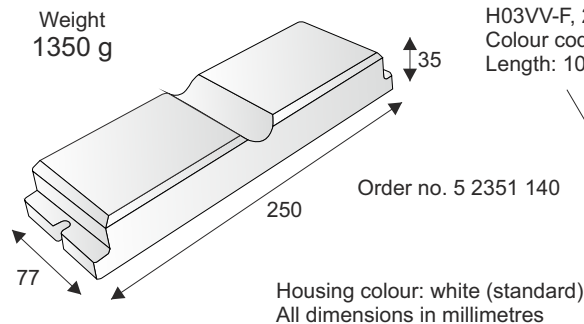
Control voltage: 0 - 10 V DC

- 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

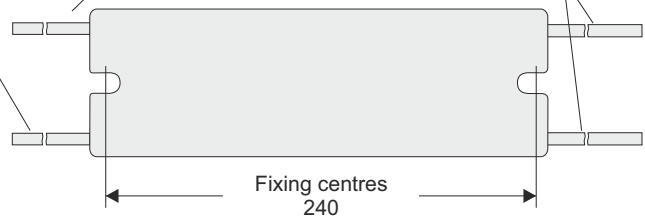
Housing dimensions



Control cable:
H03VV-F, 2x0.75
Colour coding: red, black
Length: 1000 mm

Mains cable:
H03VV-F, 3x0.75
Colour coding: brown, blue
Length: 1000 mm

Output cables:
SAAd 1.0 mm² re Cu 1000 V
Length: 500 mm
red (+), black (-)



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