

LED Converter C500/120D

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

Control input:

Galvanically isolated control input (0-10 V)
Control via voltage reduction
Max. current consumption: 20 μ A

Primary data:

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

Secondary data (control input open):

C500/120 : 125 V (DC, max.), 500 mA (+/- 5%)

Fuses:

1A 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: 0.75 kg

Radio interference suppression:

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

Temperatures:

Ambient temperature range: -25 to +55 °C

Housing:

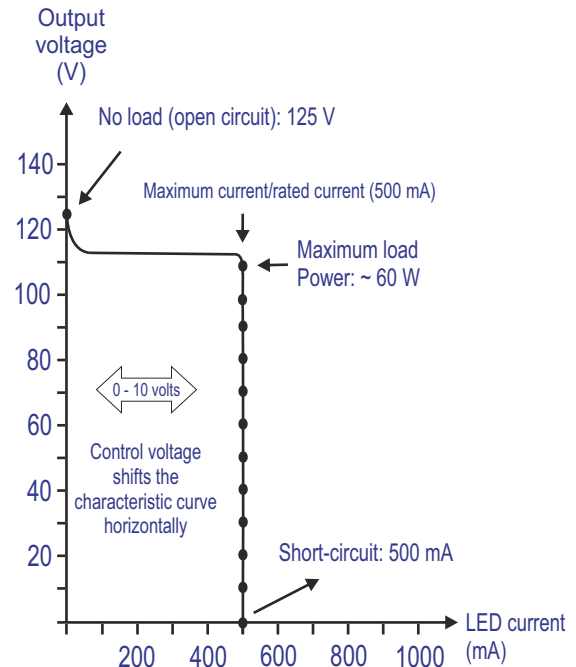
Hard PVC shell,
Fire protection class: B1
Standard colour: white
Sealing compound: polyurethane (black)

Class of protection: II

Degree of protection: IP 67

Output characteristic C500/120D

(for 1.75 W Power LEDs)



Maximum loading with 1.75 W high-power LEDs

- 1.75 W white, blue, green: 30 LEDs
- 1.75 W red, yellow, amber: 42 LEDs

The power consumption depends on the operating current and the operating voltage of the LED. At 500 mA the maximum consumption is approx. 1.75 W.

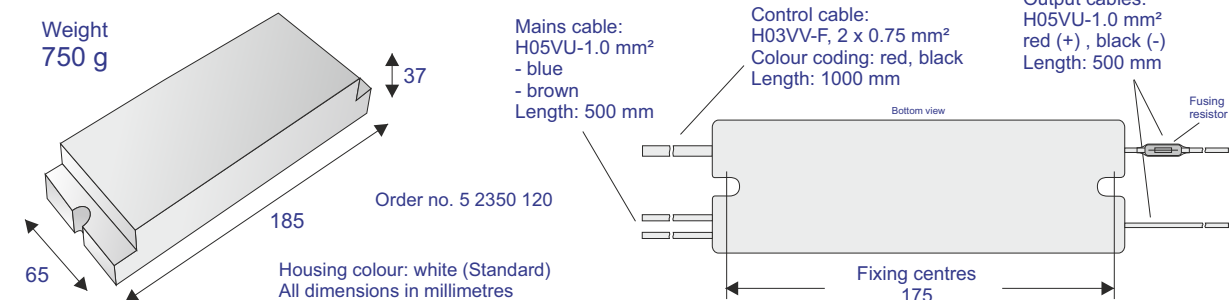
Control input function:

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:



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