

LED Converter C50/300 C50/500

Type:

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

Functional description:

- 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.

Primary data:

C50/300: 230 V (+/- 10 %), 50/60 Hz, max. 0.11 A
 C50/500: 230 V (+/- 10 %), 50/60 Hz, max. 0.17 A

Secondary data:

Type C50/300: 315 V, 50 mA DC (+/- 5 %)
 Type C50/500: 510 V, 50 mA DC (+/- 5 %)

Fuses:

Primary: 1 A embedded, non-replaceable melting fuse
 Secondary: 250 mA embedded, non-replaceable melt. 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: C50/300: 0.22 kg
 C50/500: 0.315 kg

Radio interference suppression:

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

Temperatures:

Ambient temperature range: -25 to +55°C

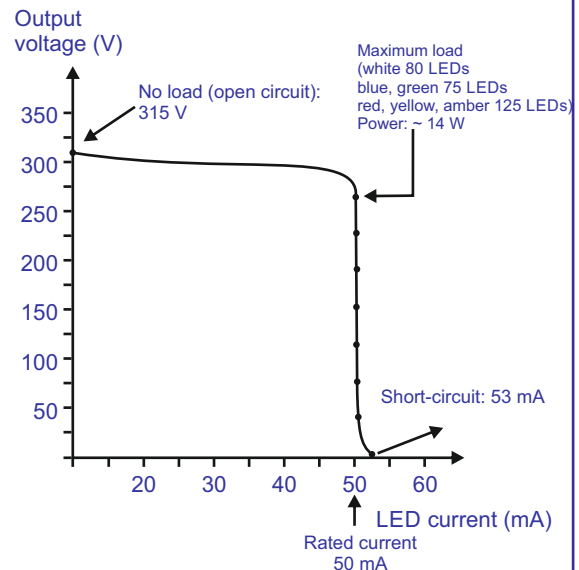
Housing:

C50/300 Hard PVC shell Fire protection class: B1
 C50/500 Injection-moulded ABS plastic, UL94 V-0
 Standard colour: white (C50/300). creme white (C50/500)
 Sealing compound: polyurethane (black)

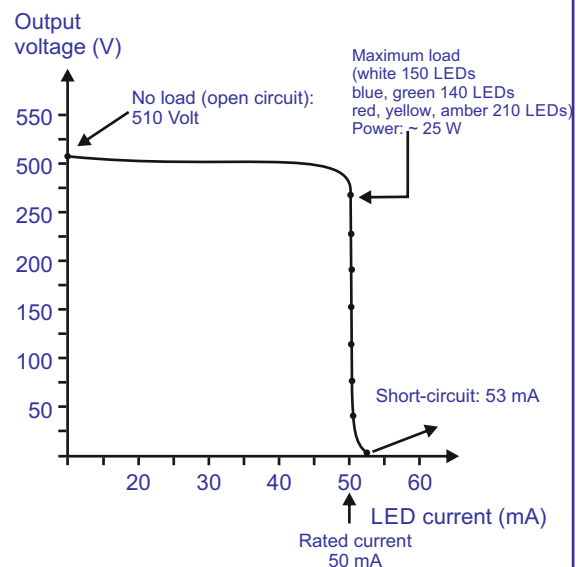
Class of protection: I (C50/300) II (C50/500)

Degree of protection: IP 67

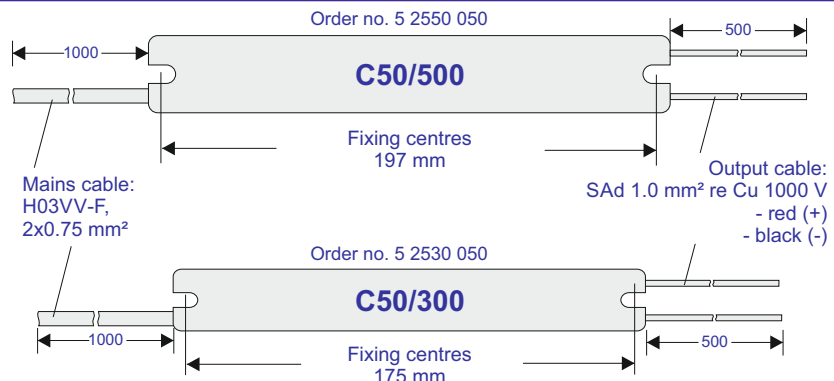
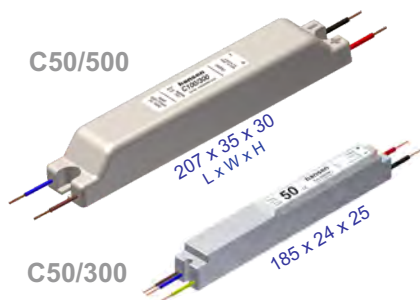
Output characteristic C50/300



Output characteristic C50/500



Housing dimensions



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