# LED Converter C100/990D

**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 100 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. 0.52 A

**Secondary data (control input open):**
C100/990: 990 V (DC, max.), 100 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:** 1.00 kg

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

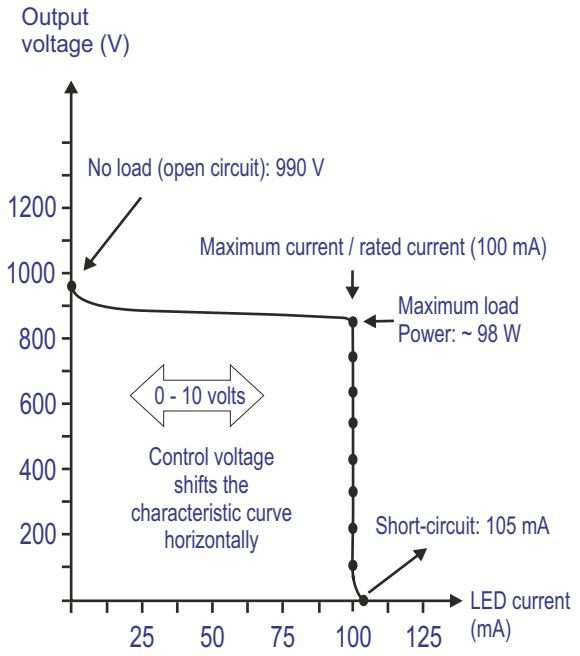
**Temperatures:**
Ambient temperature range: -25 to +55°C

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

**Class of protection:** I

**Degree of protection:** IP 67

**Output characteristic C100/990D**
**(for power LEDs)**




**Maximum loading with 0.4 W power LEDs:**

| | |
|---|---|
| White | 300 LEDs |
| Blue, green | 280 LEDs |
| Red, yellow, amber | 450 LEDs |

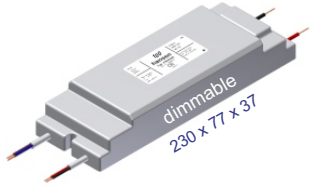
**Control input function:**

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

Weight
1000 g

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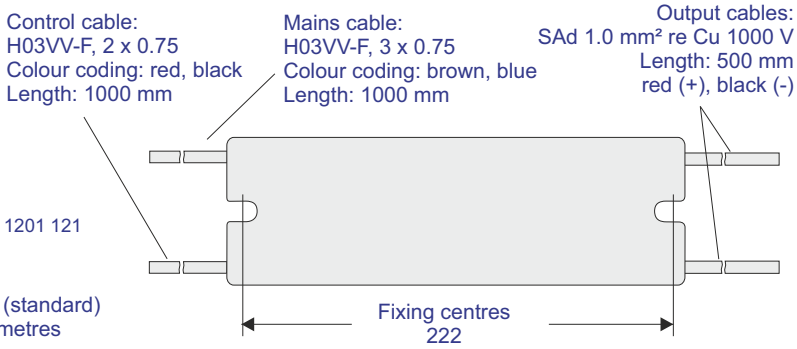


Housing colour: white (standard)
All dimensions in millimetres





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