

EVG LED 12/25 (Extra-low voltage)

General Description

Electronic converter (EVG) converting an alternating input voltage (230 Volt, 50/60 Hz) into a 12 Volt direct voltage. The EVG is mainly designed for operation with light-emitting diodes (LEDs).

The EVG is installed in a plastic housing and completely sealed in an artificial resin for additional insulation. Hence the EVG is absolutely water-tight (except for the electrical connections).

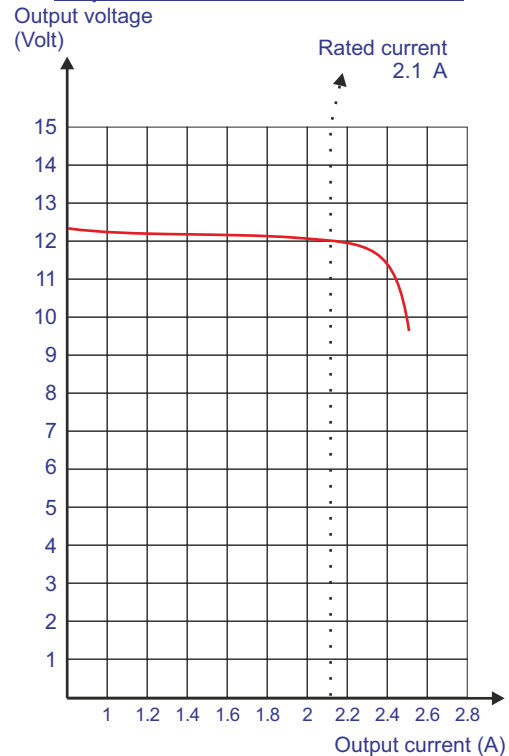
The electrical connection on the input side (230 Volt) and the output side (12 Volt) is accomplished by means of a connecting cable on each side.

Device data:

<u>Weight</u>	0.300 kg
<u>Radio interference suppression</u>	VDE 0875, Part 2A1 (EN 55015)
<u>Temperatures</u>	Ambient temperature range: max. +55°C
<u>Housing</u>	Polystyrene shell Fire protection class: B1 Standard colour: white Filling compound: polyurethane (black)
<u>Class of protection</u>	II
<u>Degree of protection</u>	IP 67
<u>Input voltage</u>	230 Volt, +/-10 %, 50 / 60 Hz
<u>Input current</u>	max. 0.2 A (fault protection by 1 A fuse)
<u>Output voltage</u>	12 Volt DC, +/-1 V
<u>Output current</u>	max. 2.1 A at 12 Volt



Output characteristic for EVG LED 12-25

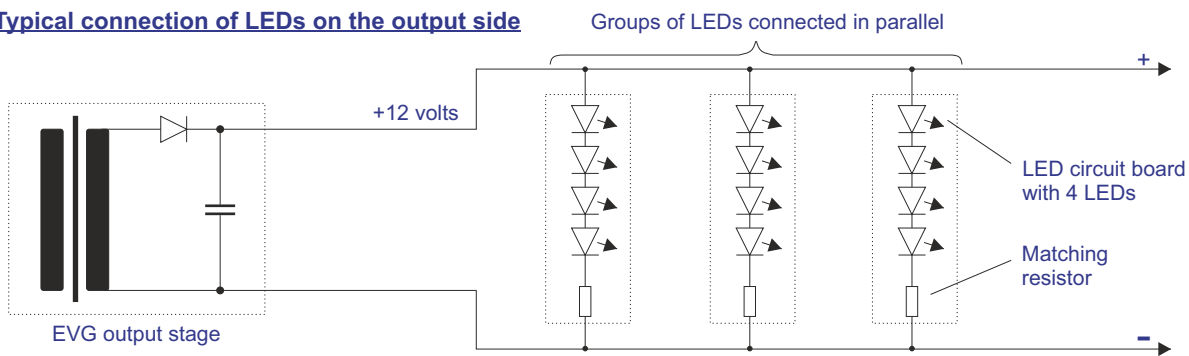


Abnormal operation:

The EVG is open-circuit- and short-circuit-proof (no cut-off).

In case of overload the output voltage decreases according to the characteristic curve (no thermal overload).

Typical connection of LEDs on the output side



Housing dimensions



177 x 29 x 27 mm

Order no. 5 1225 000

Housing colour: white (standard) or black
All dimensions in millimetres

