

# Technical data

**CODE:**

1830183

**PRODUCT:**ELECTRONIC TRANSFORMER HANSEN *EVG 80/1D***NOTE:**

TECHNICAL DATA

**IMAGE:****LAST UPDATE:**

10/2021

# ELECTRONIC TRANSFORMER EVG 80/1D

## Type:

Electronic transformer for neone tubes according to VDE 0712.

Suitable for indoor and outdoor systems. Limited suitability for flash operation.

**Weight:** 0,75 kg

## Radio interference suppression:

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

## Temperatures:

Ambient temperature range: -25 to +55°C

Temperature limit: +70°C

(Max. ambient temp. that the EVG is able to withstand for a short period of time without being destroyed)

## Housing:

Hard PVC shell

Fire protection class: B1

Standard colour: white

Sealing compound: polyurethane (black)

## Class of protection: I

**Degree of protection:** IP67

## PROTECTIVE EQUIPMENT

**Safety fuse:** Integrated 1 A melting fuse offering protection against internal short circuits

## CAUTION:

THE INSTALLATION INSTRUCTIONS MUST BE OBSERVED WHEN USING THE TRANSFORMER!

## Housing dimensions



**Housing colour:** white

**Dimensions:** 205 x 39 x 34 mm

**Packaging case:** 7

## PRIMARY DATA

**Mains voltage:** 230 V, ± 10%, 50/60 Hz

**Current consumption:** Depends on the connected tube load; max. 0,50 A; cos phi 0,95

## SECONDARY DATA

990 V with 80 mA constant current, symmetrical alternating current, load-depend operating frequency, 16-20 kHz, earthed secondary winding.

Additional the output current is dimmable via reverse phase control at the input line.

Secondary current tolerance: -5/+10% (of rated value)

Suitable for blue discharge tubes. Only partly suitable for red discharge tubes due to an occasional jelly bean effect.

## CONNECTABLE TUBE LENGTHS (in meters):

Blue discharge (outdoor)						
Diameter	10	12	15	18	20	22
1 Syst.			1,4	1,7	1,8	2,0
2 Syst.			0,8	0,9	1,0	1,1

Blue discharge (indoor)						
Diameter	10	12	15	18	20	22
1 Syst.			1,8	2,1	2,3	2,5
2 Syst.			1,2	1,4	1,5	1,6

Red discharge						
Diameter	10	12	15	18	20	22
1 Syst.			0,9	1,1	1,2	1,2
2 Syst.			0,5	0,6	0,6	0,7

The values given represent the maximum connectable tube lengths which must not be exceeded. Shorter tube lengths, however, may be connected without any restrictions. The tube lengths are calculated on the basis of the 'Filling Pressure Recommendations for Fluorescent Tubes' published by the German *Fachverband Lichtwerbung*.

**Order no. 1830183 [EVG 80/1D]**

**Mains cable:**  
H03VV-F, 3x0.75

**High voltage cable:**  
PVC  
4.0 mm (diameter)



**CE**