

EVG 20/5D

| | |
|---------------------------------------|--|
| Type | Electronic transformer for high-voltage luminous discharge tubes according to EN 50107. Suitable for indoor systems. Limited suitability for flash operation. |
| Weight | 0.750 kg |
| Radio interference suppression | According to VDE 0875, Part 2A1 (EN 55015) |
| Temperatures | Ambient temperature range: max. +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 | Polystyrene shell Standard colour: white Sealing compound: polyurethane (black) |
| Class of protection | I |
| Degree of protection | IP 67 |

| | |
|----------------------------|---|
| Primary Data | |
| Mains voltage | 230 V, +/- 10 %, 50 / 60 Hz |
| Current consumption | Depends on the connected tube load; max. 0.5 A cos phi 0.95 |

| | |
|--------------------------------|---|
| Protective Equipment | |
| Safety fuse | Integrated 1 A melting fuse offering protection against internal short circuits |
| Earth leakage trip | (acc. to EN 50107) integrated in the transformer |
| Open circuit protection | (acc. to EN 50107) integrated in the transformer |

Caution:
The installation instructions must be observed when using the transformer!

Secondary Data

5,000 V with 20 mA constant current, symmetrical alternating current, operating frequency approx. 22 kHz, centrally earthed secondary winding.

Internal high-voltage shutdown under fault conditions (e.g. in case of tube breakage or earth fault).

Suitable for blue and red discharge tubes (no 'jelly beaning').

Connectable tube lengths (in metres):

| Blue discharge (indoor) | | | | | | |
|-------------------------|-----|-----|-----|------|------|------|
| Diameter | 8 | 10 | 12 | 15 | 18 | 20 |
| 2 Syst. | 5.6 | 7.2 | 9.0 | 10.9 | 12.8 | 13.8 |
| 3 Syst. | 5.3 | 6.8 | 8.5 | 10.3 | 12.1 | 13.0 |
| 4 Syst. | 5.0 | 6.4 | 8.0 | 9.7 | 11.4 | 12.3 |
| 5 Syst. | 4.6 | 6.0 | 7.5 | 9.1 | 10.7 | 11.5 |
| 6 Syst. | 4.3 | 5.6 | 7.0 | 8.5 | 10.0 | 10.8 |
| 7 Syst. | 4.0 | 5.2 | 6.5 | 7.9 | 9.2 | 10.0 |
| 8 Syst. | 3.7 | 4.8 | 6.0 | 7.3 | 8.5 | 9.2 |
| 9 Syst. | 3.4 | 4.4 | 5.5 | 6.7 | 7.8 | 8.4 |

| Red discharge | | | | | | |
|---------------|-----|-----|-----|-----|-----|-----|
| Diameter | 8 | 10 | 12 | 15 | 18 | 20 |
| 2 Syst. | 3.1 | 3.8 | 4.7 | 5.8 | 7.0 | 7.5 |
| 3 Syst. | 2.9 | 3.5 | 4.4 | 5.4 | 6.5 | 7.0 |
| 4 Syst. | 2.7 | 3.3 | 4.0 | 5.0 | 6.0 | 6.5 |
| 5 Syst. | 2.5 | 3.0 | 3.7 | 4.6 | 5.6 | 6.0 |
| 6 Syst. | 2.2 | 2.8 | 3.4 | 4.2 | 5.1 | 5.5 |
| 7 Syst. | 2.0 | 2.5 | 3.1 | 3.8 | 4.6 | 5.0 |
| 8 Syst. | 1.8 | 2.2 | 2.7 | 3.4 | 4.1 | 4.4 |
| 9 Syst. | 1.6 | 2.0 | 2.4 | 3.0 | 3.6 | 3.9 |

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*.

Housing dimensions



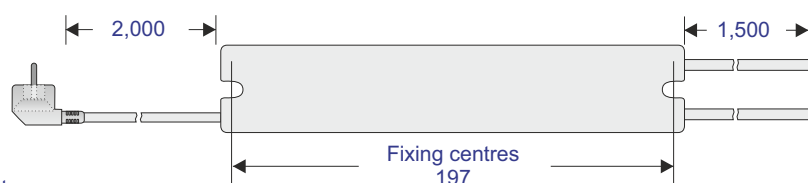
205 x 39 x 34 mm

Housing colour: white
All dimensions in millimetres

Order no. 1 2050 202

Mains cable:
H03VV-F, 3x0.75
CEE right-angle earthing pin plug

High voltage cable:
(N)YL, transparent
7.0 mm (diameter)



Technical modifications reserved. Content is protected by copyright.

January 2019 EVG-20-5D-e/01/2019