EVG 40/3D (dimmable via 0–10 V control voltage)

Type
Electronic transformer for neon tubes according to VDE 0713.
Suitable for indoor systems.

Weight
1.350 kg

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

Temperatures
Ambient temperature range: +/- 0 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
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. 0.60 A
cos phi 0.95

 Secondary Data
3000 V with 40 mA constant current,
symmetrical alternating current, operating
frequency depending on the load and the
control voltage, 16 - 60 kHz.

Integrated open circuit protection and earth
leakage trip

Suitable for blue discharge tubes,
conditional suitability for red discharge
tubes.

Secondary current dimmable via control
voltage (0 to 10 V, see diagram).

Secondary current depending on
the control voltage:

Connectable tube lengths:

<table>
<thead>
<tr>
<th>Diameter / mm</th>
<th>18</th>
<th>20</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length / m</td>
<td>6.4</td>
<td>6.9</td>
<td>7.5</td>
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</table>

Blue discharge ( indoor, 3 sections)

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

Housing colour: white (standard)
All dimensions in millimetres

Order no. 1 4030 102

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

Mains cable
H03VV-F, 3x0.75

Control cable
H03VV-F, 2x0.75

Fixing centres
250