# EVG 40/1D Duo (dimmable electronic ballast)

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|---|---|
| Type | Electronic transformer for neon tubes according to VDE 0712.<br>Dimmable via reverse phase control at the input side.<br><br>Suitable for indoor and outdoor systems.<br>Limited suitability for flash operation. |
| Weight | 0.650 kg |
| Radio interference suppression | According to VDE 0875, Part 2A1 (EN 55015) |
| Temperatures | Ambient temperature range: -25 to +55°C<br>Temperature limit: +70°C<br>(max. ambient temp. that the EVG is able to withstand for a short period of time without being destroyed) |
| Housing | Hard PVC shell<br>Fire protection class B1<br>Standard colour: white<br>Sealing compound: polyurethane (black) |
| Class of protection | I |
| Degree of protection | IP 67 |

## Primary Data

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| Mains voltage | 230 V, +/- 10 %, 50 / 60 Hz |
| Current consumption | Depends on the connected tube load; max. 0.50 A<br>cos phi 0.95 |
| Dimming | reverse phase control at the input line |

## Protective Equipment

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

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

## Secondary Data

2 electric circuits, 990 V each with 40 mA constant current, symmetrical alternating current, operating frequency approx. 25 kHz.

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

Secondary current tolerance:
(without dimming) -5 / +10 % (of rated value)

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

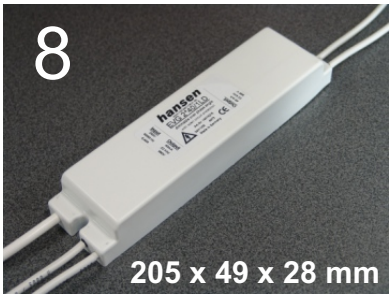
## Connectable tube lengths (in metres) (per circuit)

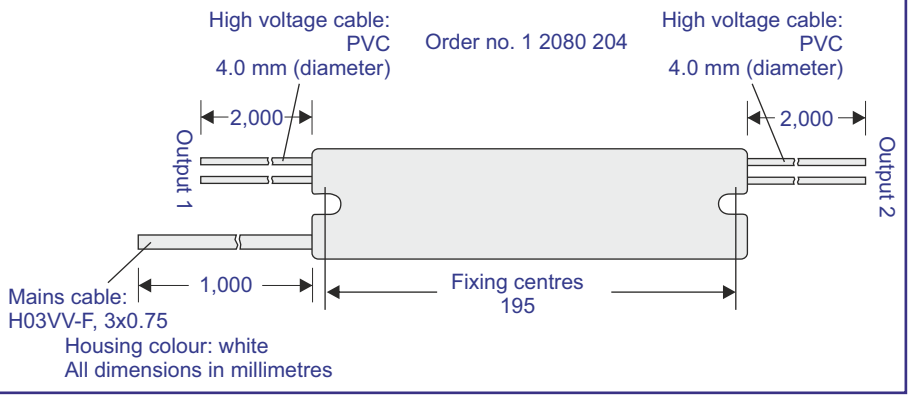
| Blue discharge (outdoor) | | | | | | |
|---|---|---|---|---|---|---|
| Diameter. | 10 | 12 | 15 | 18 | 20 | 22 |
| 1 Syst. | | | 1.4 | 1.7 | 1.8 | 2.0 |
| 2 Syst. | | | 0.8 | 0.9 | 1.0 | 1.1 |

| 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 |

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

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