

EVG 40/1D (DUO)
 dimmable electronic ballast

Specification Sheet

| | |
|--------------------------------|--|
| Type | Electronic convertor for neon tubes according to VDE 0712. Suitable for indoor and outdoor systems. 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 +65°C Temperature limit: +80°C (max. ambient temp. that the convertor is able to withstand for a short period of time without being destroyed) |
| Housing | Hard PVC shell Fire protection class B1 Standard colour: white Filling compound: polyurethane (black) |
| Class of protection | I |
| Degree of protection | IP 65 |



Secondary Data

2 electric circuits, 990 Volt each with 40mA constant current, symmetrical alternating current, load-dependent operating frequency, 16-20 kHz.

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

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

Suitable for blue discharge tubes.

Nor suitable for red discharge tubes.

Connectable tube lengths (in meter): (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 |

Primary Data

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

Protective equipment

| | |
|-------------|--|
| Safety fuse | Integrated 1 Amp. melting fuse offering protection against internal short circuits |
|-------------|--|

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

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*.

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Housing dimensions

