

EVG 40/1D
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	0.750 kg
Radio interference suppression	According to VDE 0875, Part 2A1 (EN 55015) CE
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

Primary Data	
Mains voltage	230 Volt, +/- 10 %, 50 / 60Hz
Current consumption	Depends on the connected tube load; max. 0.27 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!

Secondary Data

990 Volt 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.

Not 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

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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