EVG 40/3

Type	Electronic transformer for high-voltage luminous discharge tubes according to EN 50107. 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)
Temperatures	Ambient temperature range: -25 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

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

3,000 V with 40 mA constant current, symmetrical alternating current, load-dependent operating frequency, 16 - 20 kHz, centrally earthed secondary winding.

Secondary current tolerance:
-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):

Blue discharge (outdoor)

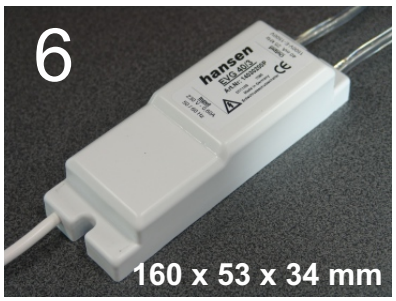
Diameter	10	12	15	18	20	22
2 Syst.	3.2	4.0	5.0	5.8	6.3	6.8
3 Syst.	2.8	3.5	4.3	5.1	5.5	6.0
4 Syst.	2.4	3.0	3.7	4.3	4.7	5.1
5 Syst.	2.0	2.5	3.1	3.6	3.9	4.2
6 Syst.	1.6	2.0	2.5	2.9	3.1	3.4

Blue discharge (indoor)

Diameter	10	12	15	18	20	22
2 Syst.	4.0	5.0	6.0	7.1	7.6	8.3
3 Syst.	3.6	4.5	5.4	6.4	6.9	7.5
4 Syst.	3.2	4.0	4.8	5.7	6.1	6.6
5 Syst.	2.8	3.5	4.2	5.0	5.3	5.8
6 Syst.	2.4	3.0	3.6	4.2	4.6	5.0

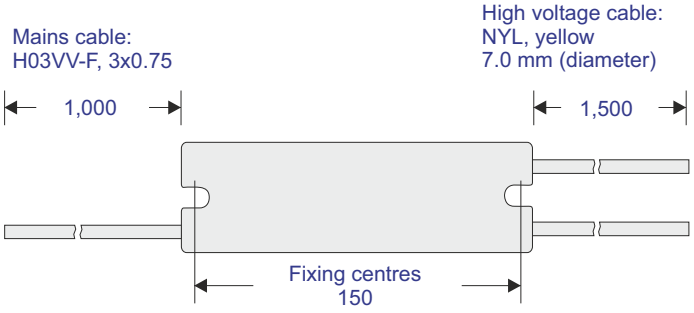
The values given represent the maximum connectable tube lengths which must not be exceeded. Shorter tube lengths, however, may be connected without any restrictions. The tube lengths are calculated on the basis of the 'Filling Pressure Recommendations for Fluorescent Tubes' published by the German *Fachverband Lichtwerbung*.

Housing dimensions



Housing colour: white
All dimensions in millimetres

Order no. 1 4030 200



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