

Electronic Ballasts for Standard Lamps

These electronic ballasts are suited for low-pressure lamps with an input power of 4 to 80 W. These devices have been developed following standard light ballasts. But unlike these, the electronic ballasts supply the correct lamp current for low-pressure UV lamps. Upon customer's request, the ballasts can be tuned to different lamps or lamp powers. Depending on the design, the ballasts are additionally equipped with an LED as operating indicator and a fault contact.

Vital advantages of electronic ballasts:

- higher lamp efficiency and longer lamp lifetime
- gentle lamp quick start without flickering
- low heat production/heat loss
- short-circuit proof, thus damage-proof
- compensation not necessary

Applications

- all fields of applications for UV lamps such as
- systems/plants for water disinfection
- air disinfection in air-conditioners
- units for the reduction of bad smells in exhaust hoods

Integrated functions:

- cut-out safety through fusible
- complete RFI suppression through filter choke, X- and Y- condensers
- grounding of housing through ground terminal at the fixing hole
- circuit grounding through by fixing at the housing
- lamp monitoring (no lamp installed, breakage of electrode)
- protection against the following malfunctions:
 - lamp glass breakage, electrodes still existing
 - abnormal operation through deactivated lamp
- rectifier effect at the end of lamp life through Wickmann fusible

Calling the monitoring, the ballast turns to energy-saving stand-by operation, the monitoring reset is effected after mains cut-off.

Technical Data	Ballast Type	EVG UVT 4-11W 110VAC	EVG UVT 11-16W 110VAC	EVG 11/16E 230VAC	EVG 36/40E 230VAC	EVG 80E 230VAC	EVG 80 HO 230VAC	EVG UVT 4-9W 230VAC	EVG UVT 11-16W 230VAC	EVG UVT 16W 85-264VAC	EVG UVT 2x40W 230VAC	EVG UVT 40W 85-264VAC	EVG UVT 80WHO 85-264VAC	EVG UVT 4-11W 12VDC	EVG UVT 11-16W 12VDC	EVG UVT 4-11W 24VDC	EVG UVT 11-16W 24VDC
Mains voltage		110VAC ±10%		230 V AC ±10%										85-264 VAC	12 VDC		24 VDC
With operating LED				•	•	•	•			•	•	•	•				
Loading of the potential-free contact										max. 230V AC/DC max. 100 mA							
Mains frequency		50/60 Hz															
Leakage current to PE		< 0,25 mA															
Power factor		> 0,95															
Operating frequency		25 to 30 kHz															
Preheating		included, (cold start designs upon request)															
Operating conditions		Ambient temperature 0°C ... + 50°C, t _c -point temperature max. 70°C, max. relative humidity 95 % at + 25°C															
Mounting		position as desired, fixing with screws															
Connection		Spring power terminals for cables 0.5 ... 1.5 mm ² (strand wires conditionally up to 0.75 mm ²) Do not use crimping ferules!															
Cable length		< 1.5 m at short end (indicated on device); max. cable capacity 200 pF															
Tested norms		EN 55015, EN 61347-2-3, EN 60929, EN 61000-3-2												EN 55015 EN 60924 EN 61547			
CE conformity		yes															

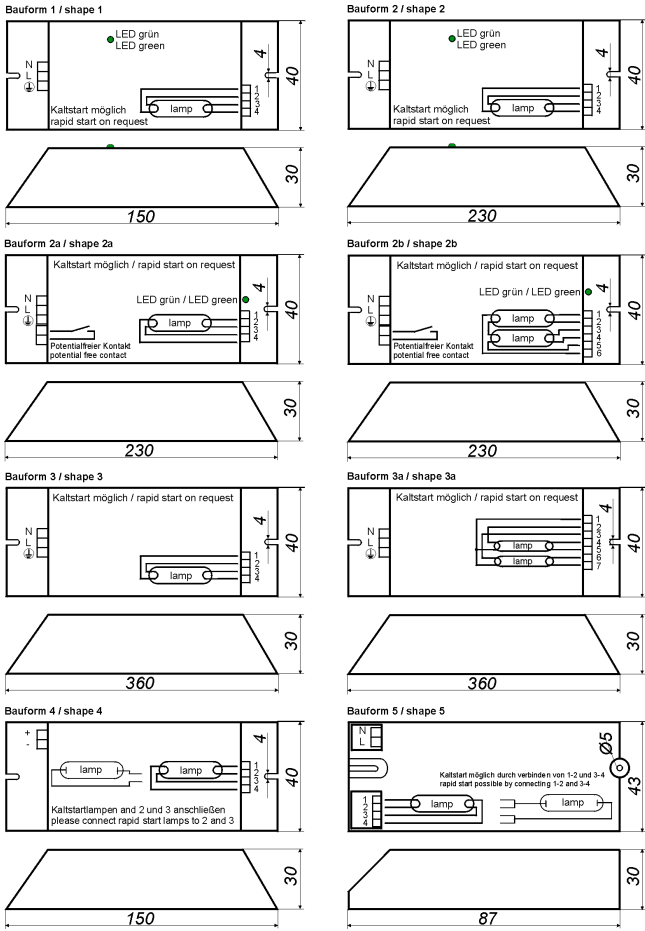
Technical data

Type Summary, Designs, Lamp Compatibility

Ballast Type	possible lamp power in W	input current in mA	lamp current in mA	no. of design picture	TUV/UVN 4W	TUV/UVN 6W	TUV/UVN 8W	TUV PLS 5W	TUV PLS 9W	TUV PLS 11W	TUV/UVN 11W	TUV/UVN 16W	TUV/UVN 25W T5	TUV/UVN 36/40W	TUV 30W T8	TUV 36W T8	TUV PLL 36W	UVN 60W T5	TUV 36T5 HO	TUV 55W HO T8	TUV 75W HO T8	TUV PLL 95W HO	TUV 64 T5
EVG 11/16E 230VAC	11-16	130	400	1																			
EVG 36/40E 230VAC	36	165	420	2																			
EVG 80E 230VAC	80	350	425	3																			
EVG 80 HO 230VAC	80	350	800	3																			
EVG UVT 4-11W 12VDC	4 to 11	1000	170	4																			
EVG UVT 4-11W 24VDC	4 to 11	500	170	4																			
EVG UVT 4-11W 110VAC	4 to 11	120	170	5																			
EVG UVT 4-9W 230VAC	4 to 9	60	170	5																			
EVG UVT 11-16W 12VDC	11 to 16	1100	400	4																			
EVG UVT 11-16W 24VDC	11 to 16	600	400	4																			
EVG UVT 11-16W 110VAC	11 to 16	160	400	5																			
EVG UVT 11-16W 230VAC	11 to 16	80	400	5																			
EVG UVT 16W 85-264VAC	16	280	425	2a																			
EVG UVT 40W 85-264VAC	30-50	280	425	2a																			
EVG UVT 2x40W 230VAC	2x 30 to 50	550	425	2b																			
EVG UVT 80WHO 85-264VAC	60 to 100	450	800	2a																			

Tuning to other lamps possible upon request.

Summary of the Different Designs



design 1, 2, 3



Design 2a, 2b, 4, 5

