

Electronic Ballast for Spectral Lamps 60 Watt

ebs 60 ac

The electronic AC mains power supply unit replaces the conventional ballast units for the Osram spectral lamps

Cs/10, He/10, HgCd/10, Hg10, K/10, Na/10, Ne/10, Rb/10, Tl/10, Zn/10.

The unit operates performance-controlled at 60 watt. The high switching frequency and the specially shaped alternating current ensure very little residual ripple of the light and the longer life of the lamps.

No external igniter is necessary; the required ignition voltage is generated and monitored within the unit. Like all electronic ballasts from LEJ, it comes with a safety circuit function and a resettable lamp hour meter.



Lighting

HBO/XBO

Light sources

Flashlights

UV-Equipment

Other

Features

- Long-range power input
- Power-regulated operation
- Extremely low light ripple
- Lamp output mains-connected
- Safety circuit function
- Service hour meter
- Pin-compatible vis-à-vis magnetic ballast

Safety	as per EN 61010-1
Equipment class	I
Protection class	IP 20 (EN 60529)
Excess temperature protection	switches lamp voltage off output remains mains connection
Safety circuit	yes
Outputs	netzverbunden
EMC	
Interference	EN 61326 (class B)
Immunity	EN 61326 appendix A
Voltage fluctuations, flicker	EN 61000-3-3
Harmonic current emission	EN 61000-3-2
Environmental conditions	
Ambient temperature	0 °C up to 40 °C
Storage temperature	- 20 °C up to + 85 °C

Applications

- Wavelength calibration of spectrometers

For the following lamps and equivalent models	
Osram 60 W	Cs/10, He/10, HgCd/10, Hg10, K/10, Na/10, Ne/10, Rb/10, Tl/10, Zn/10

Model	Desktop device
Dimensions (HxWxD)	86 x 165 x 235 in mm
Weight	1,45 kg
Socket type	Schaltbau M1 others optional
Conformity	CE, RoHS
Approvals	NRTL, UL/CSA (on request)

Technical data ebs 60 ac

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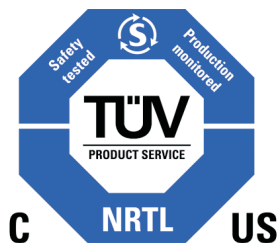
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Input parameters	
Mains voltage	220 ... 240 VAC 50 ... 60 Hz
Efficiency factor	0,8
Power input	max. 100 VA
Output parameters	
Operating mode	constant power
Power	60 W
Stability (8h)	10 ⁻²
Output current max.	1,0 A ± 0,05 A
Burn-in current	max. 1,8 A
Burning voltage	10... 60 VAC
Output frequency	151 Hz
Pulse shape	square
Ignition	automatic, with ignition time restriction
Ignition voltage	max. 650 VAC



Order	
Scope of delivery	device with mains cabel and manual
Order example	ebs 60 ac

Subject to alterations with regard to technological progress (08-2014).