Data sheet electronic ballast for uv lamps

DVG2x500

Overview

The ballasts DVG2x500 series are suitable for 2 uv lamps with lamp power from 300W to 500W.

Electronic ballasts (lamp drivers) offer considerable advantages over conventional devices: they provide quiet, flicker-free light, ignite the lamps gently, increase the life of the tubes while saving energy, and increase the radiation output of the lamps with the same energy input.

The digital ballasts from SES GmbH are microprocessor-controlled and can therefore be optimally adjusted to any lamp. They are available for low-pressure and amalgam lamps and are used especially in the areas of sunbeds, air and water disinfection, UV curing, ozone formation, etc.

Mains	Power 2x	I-Lamp 2x	Temp		
185-253VAC 50/60Hz	300W-500W	2,0-5,0A	ta: 5-45°C tc max: 50°C	IP20	CE

Functionality

- Preheat current and time adjustable by software

- Lamp current adjustable by Software

- Lamp monitoring (current, voltage, cable break)

- Status indication via LED

- Error output (relay)

Available Types

- DVG2x500-1 Pmax 500W / I-Lamp 3,0-5,0A

- DVG2x500-2 Pmax 500W / I-Lamp 2,5-2,9A

- DVG2x500-3 Pmax 500W / I-Lamp 1,8-2,1A

other lamp currents available

Technical Data

Type	Data
Lamp output power	300W-500W max.
Mains voltage	230 VAC +/-10%
Mains Frequency	50/60 Hz
Mains connection	L, N, Protection Ground
UV lamp operating voltage	70V - 160 V (depending on lamp type)
UV lamp operating current	~ 2,0A - 5,0A
Ignition voltage	~ 0,6kV - 1,5kV
Duty frequency	~ 30 kHz / ~ 120kHz
Power loss	2% - max 10 % of total lamp power
Powerfactor	>=0,96
Max. distance to lamp	5m (min 0.5mm²)
Status indication	LED and Status relay
Ambient temperature, storage / humidity	-5 to +70° C / max. 80%, not condensing
Ambient temperature, operating	5 to 45° C (higher temperature available)
Dimension (LxBxH)	Approx. 248 x 180 x 58 mm
Weight	~ 0,5 kg
Protection	IP20
Cooling	Air cooling external needed
Mounting position	Vertical, mains connector on top
Options (Dimming, RS485)	Dimming input 1-10VDC, RS485
According to the EMC specifications: *EN 61000-6-2, EN 61000-6-4,* EN 55011, EN 61000-4-2K-6, EN 61000-4-11*61000-6-4,* EN 55011, EN 61000-4-2K-6, EN 61000-4-11	

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Änderungen vorbehalten / All data are subject to alteration

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