

## DATA SHEET



Made in  
Germany

## ZG 120XE

**Igniter for low voltage DC-Lamps with Lamp-Currents up to 120 A**

### Features

Revolutionary drive system: needs no external power source, self synchronisation with ballast

- Igniter for DC-Xenon and HQ discharge lamps operated by electronic ballasts
- Suitable for low voltage and high current DC lamps with lamp voltages up to 100 V DC
- Compliant to RoHS-directive 2002/95/EC
- Self stopping operation (2 sec.)
- DC-Impedance of about 1000  $\mu\Omega$
- DC-Power loss of about 10 W @ 100 Amps, 15,8 W @ 120 Amps
- DC-Power loss of 28 W @ 160 Amps

### Suitable ballasts

- HBX 1000

Please read this information carefully,  
before installing and operating the power supply!

## ZG 120XE

## TECHNICAL DATA

Rated current	120 A, no add cooling
Temporary over current < 3 min. within a period of 6 min.	200 A
Ignition voltage	Min. 32 kVp
Input voltage range	DC 0-160 V / threshold for ignition > 70 V
Operation mode	Asymmetrical: cathode or anode grounding
Ignition mode control	Self stopping igniter nearly 2 sec./self sourcing by ballast, no external source necessary
Pulse rate	Approximately 30/sec. @ 70 V
Repetition rate	Depend on ballast, break of min. 10 sec. is required
Operating temperature	115°C max. @ ignitioncoil TP 1 / 85°C @ TP 2
Cable length	HV to lamp 50 cm max., for hot re-ignition: short as possible
Dimensions (L x W x H)	115 x 103 x 30/45 mm
Weight	1020 g
Connectors	4 x M6 screw-terminals with nuts M6 for cable-shoes

## REGULATORY SPECIFICATIONS

Safety	According to IEC (UL) 60950-1
RoHS	According to 2002/95/EC

For detailed information please contact [ralf@rotec-gmbh.com](mailto:ralf@rotec-gmbh.com) or [info@rotec-gmbh.com](mailto:info@rotec-gmbh.com)

Technical modifications and errors excepted.