

DATA SHEET



Made in
Germany

ZG 120XE neo

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 120XEneo

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 or info@rotec-gmbh.com

Technical modifications and errors excepted.