

DATA SHEET



Made in
Germany

ZG 1202 EB

Self Stopping Igniter

Features

- Igniter for metal halide discharge lamps operated by electronic ballasts
- Suitable for discharge lamps with lamp voltage less than 300 V DC or square wave AC or 240 V AC and lamp currents not exceeding 20 A
- Maximum current of 14 A, temporary over current of 20 A < 90 s without cooling
- Maximum current of 16 to 20 A, temporary over current of 20 A < 90 s with cooling depending on ambient temperature
- UL approved, RoHS conform

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

ZG 1202 EB

TECHNICAL DATA

Maximum current	14 A without cooling 16 A to 20 A with forced air cooling depending on ambient temperature
Temporary over current < 90 s within a period of 5 min.	20 A
Ignition voltage	± 28 kV max.
Input voltage range	Square Wave AC or DC 0 - 300 V / sine wave 0 - 240 V AC / threshold for ignition > 150 V
Operation mode	Symmetrical
Ignition mode control	Self stopping igniter ca. 2 sec.
Pulse rate	About 100/sec.
Repetition rate	Depends on ballast
Case temperature	73°C max when operating with forced air flow at test point with currents >13 A and < 16 A at an ambient air temperature not exceeding 65°C and 45°C max. when operating with forced air cooling at test point with currents > 16 A and < 20 A at an ambient air temperature not exceeding 35°C, 85°C max. when operating without forced airflow and current not exceeding 13 A
Cable length	HV to lamp 30 cm max. for hot re-ignition (50 cm cold) LV from ballast, limitation according to ballast spec.
Dimensions (L x W x H)	83 x 68 x 22 mm
Weight	257 g
Connectors	4 x M3-screw terminal

Input and output terminals are electrically connected (plus from ballast to plus to lamp and minus from ballast to minus to lamp).
The ignition pulses are superimposed on input voltage.

REGULATORY SPECIFICATIONS

Safety	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.