

SCHIEDERWERK

**Ignitor
for electronic lamp ballasts**

ZG 8-Series

Technical Specifications

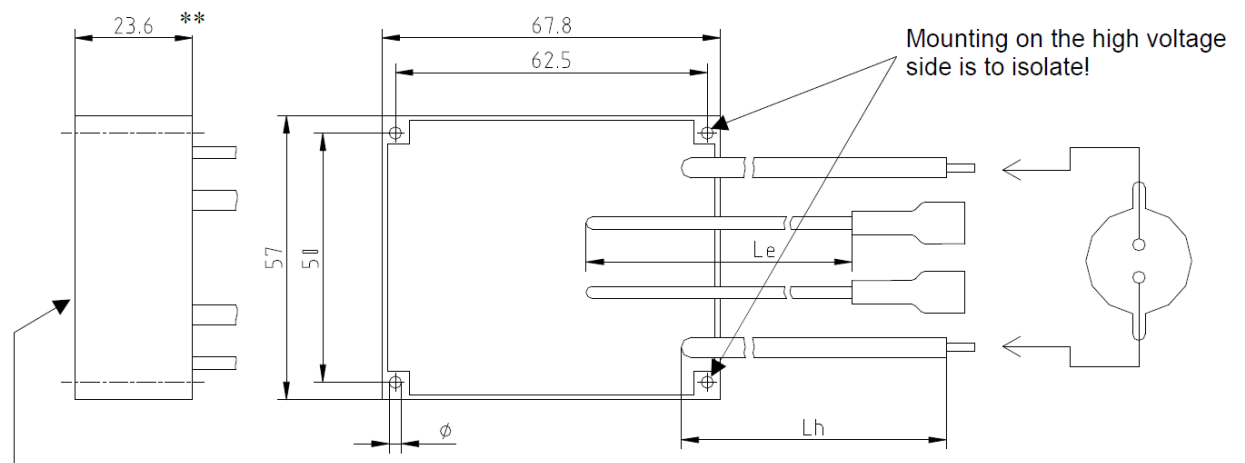
ORDER NUMBERS

| Article | Order No. | Le | Lh | ∅ | Remarks | Ignition Voltage |
|----------------|-------------|-----|-----|-----|--|------------------|
| HZG 8-25 | 32 058 1000 | 630 | 230 | 2,5 | Standard version | 25 kV |
| HZG 8-25 LH | 32 058 1050 | 630 | 580 | 2,5 | Long High Tension leads | 25 kV |
| HZG 8-25 S | 32 258 1000 | 630 | 230 | 2,5 | Right angle, silicon potted | 25 kV |
| HZG 8-25 T | 32 102 1000 | 670 | 0 | 2,5 | HT screw terminal M3 | 25 kV |
| HZG 8-25 AM | 32 058 1020 | 180 | 350 | 2,5 | AMP Faston 6,3 | 25 kV |
| HZG 8-25 E | 32 371 1000 | 630 | 230 | 2,5 | Enhanced ignition sequence | 25 kV |
| HZG 8-25 E CST | 32 371 1500 | 630 | 230 | 2,5 | Enhanced ignition sequence Input-capacitance reduced to Ce=6.8nF | 25 kV |
| HZG 8-25 | 32 371 1001 | 200 | 600 | 2,5 | Long High Tension Leads | 25 kV |
| HZG 8-25 M | 32 377 1000 | 200 | 600 | 2,5 | Long High Tension Leads ** Box height 27mm | 25 kV |
| KZG 8-4 B | 32 505 1000 | 0 | 0 | 2,5 | Screw terminals M3 | 4 kV |
| KZG 8-10 SHL | 32 105 1000 | 0 | 0 | 2,5 | Screw terminals M3 | 10 kV |
| KZG 8-4 | 32 058 1060 | 630 | 390 | 2,5 | Right angle AMP Faston 2,8 | 4 kV |
| KZG 8-4 IP | 32 058 1110 | 300 | 400 | 2,5 | AMP Faston 2,8 | 4 kV |
| KZG 8-5 SC | 32 104 1000 | 670 | 0 | 2,5 | HT screw terminal M3 | 5 kV |

TECHNICAL DATA

| | |
|--------------------------|------------------------|
| Lamp current | 8 A |
| Frequency (square wave) | 0 .. 300 Hz |
| Input voltage range | 150 V - 380 Vpp |
| Max. ambient temperature | 60°C S-type 110°C |
| Weight | ca. 0,200 kg |

Subject to changes without notice



Please attach the Ignitor at a distance of 4 mm from the ground!

All dimensions in mm.

Attention

These Ignitors are developed for Schiederwerk electronic ballasts, only. Using them with non-Schiederwerk ballasts will void warranty claims.

Hot restrike ignitors have to be used with electronic ballasts having limited ignition time. Hot restrike ignitors should not be operated continuously for more than 3 seconds, otherwise dysfunction could be caused.

Cold start ignitors have to be used with electronic ballasts having limited ignition time. Cold start ignitors should not operate continuously, otherwise dysfunction could be caused.

WARNING NOTICE

Do not attempt to handle or operate an electronic power supply (EPS) and ignitor before completely reading and understanding this notice. Contact Schiederwerk if you are uncertain of hazards associated with these devices.

The ignitor produces starting voltages of up to 60 kV and electromagnetic radiation interference which are hazardous to personnel and sensitive instrumentation. Exercise appropriate care in the handling of high voltages. Do not touch any conductive parts during operation.

Ensure the units are disconnected from the mains before exchanging the lamp connected to the PSU / ignitor resp. to the end application. The residual charge left on the capacitors is a danger to life if the units are still connected to mains!

Caution: The residual charge on the capacitors can be a danger to life even if the units are disconnected from the mains. Please handle with care!

Both electronic lamp ballast and ignitor must never be installed or operated in an explosive or volatile atmosphere. Never use the ballast or ignitor near flammable gases or liquids. See that there will be no moisture, dust or similar which could lead to short circuits or fire.

Before using the ballast or ignitor in any kind of outdoor application you have to take additional measures and observe special requirements. If you are uncertain, contact Schiederwerk.

No potential isolation is provided between line input and output. Accidentally grounding of an output terminal by direct contact or arcing to GND can damage the unit (no warranty replacement).

The unit is designed for case mounting. Due observation of electrical safety and RFI suppression code requirements is mandatory in all applications. See that sufficient cooling of EPS and ignitor is provided.

All installation and repair work on this unit is only permitted by qualified personnel. Always comply with local safety requirements when operating the unit uncased.

Extreme care must be taken when testing the unit live. The use of an isolating transformer is mandatory. On no account may grounded test instruments / meters be used for this purpose!

Schiederwerk does not assume liability for disregarding of this notice, incorrect use of the EPS and ignitor or disregarding of any legal requirements. This product is subject to technical changes without prior notice.

CAUTION:

**Mains supply must be fused according to local safety regulations.
Schiederwerk recommends 2 pole fuse (L+N). The appropriate fuse value can be calculated as:**

$I \text{ fuse} \geq 1,85 \times P \text{ lamp} / U \text{ line}$

Last Update: 30.03.2016