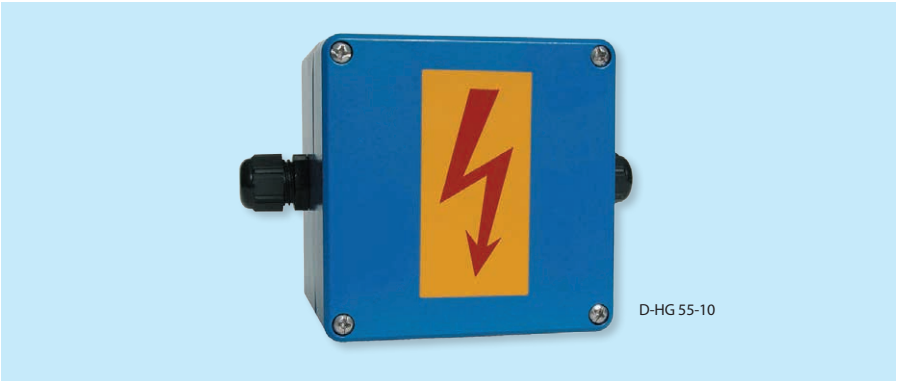
Electronic ignition transformer

The D-HG 55 electronic ignition transformer is suitable for the ignition of gases and liquid fuels in small burners



D-HG 55-10

Features

- Ignition of oil and gas
- High-performance and reliable ignition
- Simple to use and install
- Robust enclosure for industrial use
- Maintenance-free because no wearing parts
- 100 ignition sparks/second with a mains frequency of 50Hz, 120 ignition sparks/second with a mains frequency of 60Hz
- Suitable as "Ignitor Class 3 Special" in accordance with NFPA 85

Applications

- Chemical industry
- Refineries
- Cement plants
- Waste incineration
- Steam generators
- Heating plants

Certifications

- EAC

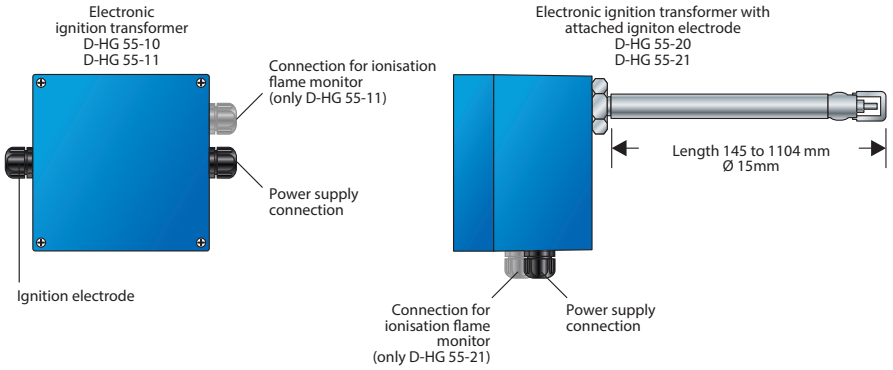
Functional description

A capacitor is charged up in the electronic ignition transformer. Once the required energy level has been reached, a non-wearing electronic switch (thyristor) triggers a spark discharge at the ignition tip.

The D-HG 55-11 and -21 electronic ignition transformers allow the use of the electrode as a common ignition and ionisation electrode for flame monitoring. The electrode is automatically switched over after powering off the ignition. The ionisation current may be tapped off at a terminal. The HEGWEIN AAL 75 ionisation flame monitor is suitable as a flame monitor.

Models

- **D-HG 55-10**
  Electronic ignition transformer for connection to an external ignition electrode
- **D-HG 55-11**
  Electronic ignition transformer for connection to an external ignition electrode with the option of connecting the electrode to an ionisation flame monitor
- **D-HG 55-20**
  Electronic ignition transformer with attached ignition electrode
- **D-HG 55-21**
  Electronic ignition transformer with attached ignition electrode with the option of connecting to an ionisation flame monitor



Electrical connection	115/ 230 VAC, 50/ 60 Hz	**Perm. ambient temperature**	-20 °C to +60 °C
Power consumption	15 VA	**Protection**	IP55
Ignition voltage	5000 V	**Dimensions**	100x100x80 mm (LxWxD) (without ignition electrode)
Duty cycle	max 300 s (Duty cycle 50%)	**Weight**	approx. 0.7 kg

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