

Operating Instructions

Indicating lamp

> G010



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2 General Information

2.1 Manufacturer

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30
D-74638 Waldenburg

Telephone: +49 7942 943-0
Fax: +49 7942 943-4333
Internet: www.stahl.de

2.2 Information about the Operating Instructions

ID-NO.: 8010603300
Publication Code: S-BA-G010-en-00-12/04/2007
We reserve the right to make technical changes without notice.

2.3 Symbols



Achtung!

This symbol indicates advice which, if ignored, puts your health or the ability of the device or devices to function at risk.



Note!

Marks important additional information, tips and recommendations.

3 Safety instructions

The most important safety instructions are summarised in this section. They supplement the relevant regulations which must be studied by the personnel responsible.

When working in hazardous areas, the safety of personnel and plant depends on complying with all relevant safety regulations. Assembly and maintenance staff working on installations therefore have a particular responsibility. They require precise knowledge of the applicable standards and regulations.



As user, please observe:

- ▶ National safety and accident prevention regulations,
- ▶ Generally recognised technical regulations,
- ▶ Safety guidelines and information in these operating instructions,
- ▶ Characteristic values and rated operating conditions on the rating and data plates.

Use the devices in accordance with the regulations and for its intended purpose only (see „Function of indicating lamp Type G010/...“ below). Incorrect and impermissible use or non-compliance with these instructions invalidates our warranty provision. No changes to the devices or components impairing their explosion protection are permitted. Further, they may only be fitted if they are undamaged, dry and clean.

4 Conformity to standards

The devices comply with the following standards and directives:

- ▶ Directive 89/336/EEC
- ▶ EN 60947-1, EN 60999-1, EN 60204-1, EN 60825-1, EN 50081-1, EN 50082-2
- ▶ EN 55014-2, EN 61000-6

5 Function of the indicating lamp Type G010/...

The indicating lamp displays the current state of a command by either switching on or switching off a light signal. In combination with a switchgear device, they indicate the switching state.

Type G010/... indicating lamps are designed to be build into an enclosure.

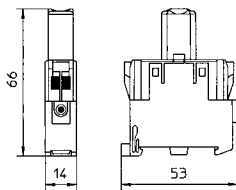
The light signal is displayed from the enclosure via the transparent lamp insert cover equipped with a diffuser lens.

6 Technical data

Ambient temperature	- 25 °C ... + 55 °C
Electrical life	10 ⁵ output hours
Frequency range	0 Hz ... 60 Hz
Light source	Luminescent diode / white
Luminance	1200 cd/m ²
Degree of protection	IP 20 (connection) acc. to IEC 60529
Rated working voltage	20 V -15 % ... 270 V + 6 % AC/DC
Rated working current I _e	max. 15 mA
Terminals	2.5 mm ² , single-wire, stranded-normal, fine-strand flexible
tightening torque	max. 1.2 Nm
Rated output	max. 1 W
Housing	Polyamide

7 Arrangement and fitting

Dimension drawings (all dimensions in mm) - subject to alterations



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Indicating lamp G010/2



Please note the following when snapping indicating lamps onto a mounting rail:

- ▶ The indicating lamp must not be turned at an angle!
- ▶ The indicating lamp must be securely seated on the rail!

8 Installation / Mains connection



When installing, please note that:

Particular care should be taken when making the connections.

When stripping wire endings, make sure that the insulation extends up to the terminal block.

Do not damage (nick) the conductor when stripping off the insulation.

Ensure that the maximum permissible conductor temperatures are not exceeded by selecting suitable cables and a suitable means of running them.

Pay attention to the specifications in the technical data relating to the terminals.

9 Commissioning

Before commissioning, ensure that

- ▶ the connections have been correctly made.
- ▶ the indicating lamp has been installed in accordance with the regulations.
- ▶ the indicating lamp is not damaged.
- ▶ all screws are tightened firmly.
- ▶ the flameproof enclosure is not damaged.

10 Maintenance and servicing



Maintenance work on the devices must only be performed by personnel who are both authorised and suitably trained for this purpose.

Before any work commences, the indicating lamp must be disconnected from the power supply.

The following must be checked during maintenance:

- ▶ that the terminal wires are clamped properly,
- ▶ plastic enclosures for the formation of cracks,
- ▶ the function in accordance with regulations.




Observe the relevant national regulations in the country of use!

11 Accessories and spare parts



Use only accessories and spare parts from R. STAHL Schaltgeräte GmbH. Use of another company's accessories and spare parts invalidates the warranty of R. STAHL Schaltgeräte GmbH.

Designation	Illustration	Description	Ordering code	Weight kg
Mounting rails		for max. 5 elements	8146929980	0,024
		for max. 9 elements	8146930980	0,040
		for max. 13 elements	8146931980	0,060
		for max. 21 elements	8146932980	0,094

12 Transport and storage

Transport and storage are only permissible in the original packaging.

13 Disposal



Please observe the national waste-disposal regulations.