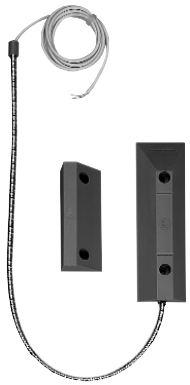
# Roll Gate Contact
# RTK/C

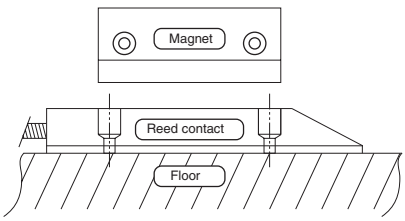


STO 7278.00

**RTK/C**

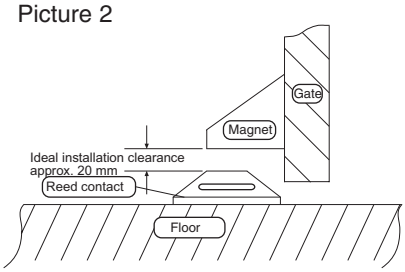
VdS-Nr. G 196066

Picture 1




**Note:**
The magnet may be mounted with a max. lateral offset of 4 mm

Picture 2




## Application

The roll gate magnet reed contact is mainly used for roll gates and gates with a sliding or tilt mechanism where there is a considerable distance between fixed and moving parts. This applies principally in the industrial sector e.g. in loading bays or warehouses.

## Design

Both the magnet and the reed contact are encased in a plastic housing made out of polyamide GF. The reed contact is fully protected from damp and chemicals such as oil and petrol as it is enclosed in a thermoplastic housing and sealed inside with a heat-resistant synthetic resin. It is also fixed in place inside the plastic housing.

The connection cable has four wires which are identical in colour and strength. The cable is protected by a flexible, high-grade steel tube.

## Installation

- The mounting position is determined prior to the installation so that the gate switch and magnet can be mounted as in Diagram 2. The contact housing is secured to the floor (a flat supporting surface is required).
- The **mounting accessories** should be used for the installation. Otherwise, only screws made from non-ferromagnetic material may be used.
- Due to the weather-resistant and mechanically stable design of the contact housing, the circuit is largely protected against damage from vehicles with rubber tyres driving over it. To protect the device from even heavier loads, it must be inserted into the floor.
- The 4-core cable is protected by a high-grade steel tube. Two tube clips with screws and plugs are supplied with the mounting accessories so that the metal tube can be laid by an expert in gate mechanisms.
- When installing the magnetic housing, attention should be paid to the two screw holes on the contact housing (see Diagram 1). They are used to determine the precise lateral position of the magnet in relation to the contact.
- The distance between the contact and magnetic housing should preferably be approx. 20 mm. If ferromagnetic materials are present in the vicinity, the range of operating distances must be determined separately.
- **The displacement tolerance of the mounting surface for the magnetic housing must be observed during the installation.**
- Once the installation has been completed, the electrical functions of the contact must be checked (e.g. ohmmeter or continuity test device).

**CAUTION:** The magnet loses part of its field strength if it is exposed to excessive heat or vibrations. This can also happen if it is moved near another magnet and poles of the same polarity are brought together.

# Roll Gate Contact RTK/C

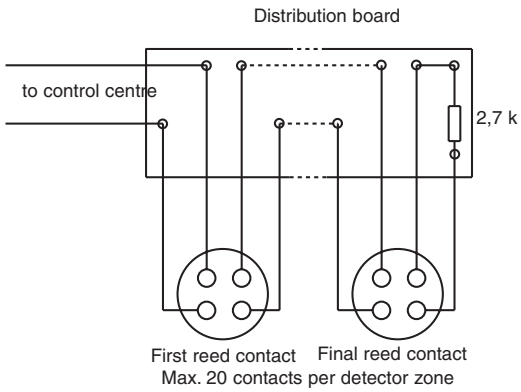
## Technical data

| | |
|---|---|
| Housing material | Polyamide GF, grey |
| Standard cabel (L2) | 2 m, LIYY 4 x 0.14 |
| High-grade steel tube (L1) | 1 m |
| Contact rating | 10 Watt |
| Max. direct voltage | 60 V |
| Max. direct current | 0.1 A |
| Temperature for fixed cabel | –25°C bis +70°C |
| Temperature for movable cabel | –5°C bis +50°C |
| Environmental class acc. to VdS 2110 | III |
| Type of protection acc. to DIN 40050 | IP 68 |
| Ideal operating distance | 20 mm |
| **VdS no.** | **G 196066** |

## Scope of supply

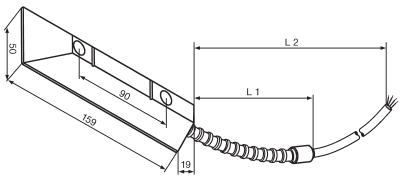
1 gate switch, 1 magnet, 1 set of mounting accessories consisting of:
2 x V2A screws 5.5 x 25 mm, 2 x V2A screws 5.5 x 50 mm, 2 x LINO-K nylon plugs Ø 8 mm, 2 clips for the metal tube with screws and plugs

## Wiring diagram

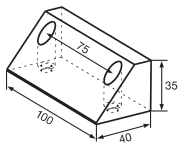



## Dimensions (in mm)

Reed contact




Magnet




### Ordering information

| Description | **Short code** | Product code | **bbn 40 13232 EAN** | Weight 1 Pc. kg | Package unit (pc.) |
|---|---|---|---|---|---|
| Roll Gate Contact | **RTK/C** | GHV 921 0018 V0100 | **74431 0** | 0.4 | 1 |



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