Cylinder switch

- Reed sensor for direct mounting
- LED switching status indication
- Male connector M8, straight or angled
- 3 m connection cable
- Easy to handle

Product variants described in the data sheet may differ from the product presentation and description.

Type description

Magnetic field-sensitive sensors are used for contact-free position reporting from the magnetic piston of a pneumatic or hydraulic cylinder.
The position of the piston can be displayed optically by an LED indicator and can be analysed electrically.

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Visit product website

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 4.
Variant	For cylinder slot
Design	Reed contact, 2-pin, reverse polarity protection
Connection cable	Ø 2.8 mm, PUR
Switching status indication	Red LED
Electrical data	
Operating voltage	5...240 V AC/DC with 3 m cable 5...60 V AC/DC with M8 connector with 0.3 m cable
Rated operational current	AC: < 100 mA DC: < 100 mA
Switching capacity	< 10 W
Voltage drop	< 2.5 V
Approvals and conformities	
Protection class	IP68
Environment and installation	
Ambient temperature	- 10...+ 70 °C

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

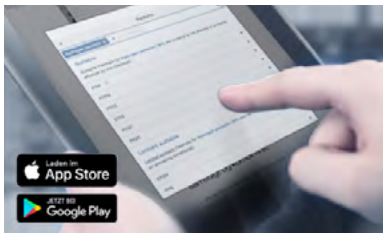
In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

3. Materials

3.1. Bürkert resistApp



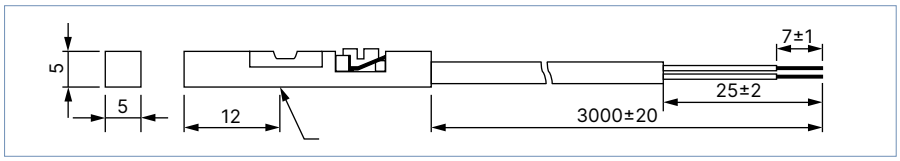
Bürkert resistApp – Chemical resistance chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

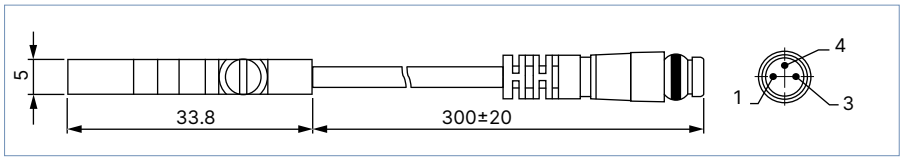
Start chemical resistance check

4. Dimensions

4.1. Reed contact with LED with 0.3 m cable

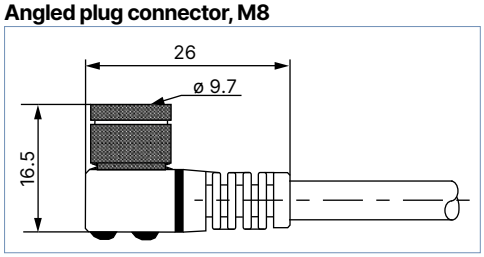


4.2. Reed contact with LED, M8 connector with 0.3 m cable

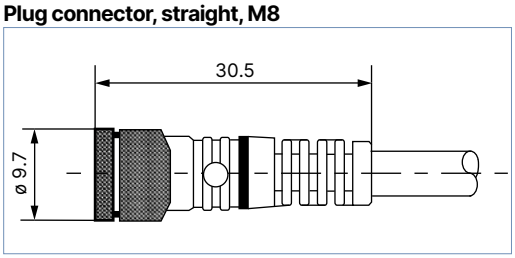


4.3. Plug connector without LED with 0.3 m cable, IP67

Angled plug connector, M8



Plug connector, straight, M8



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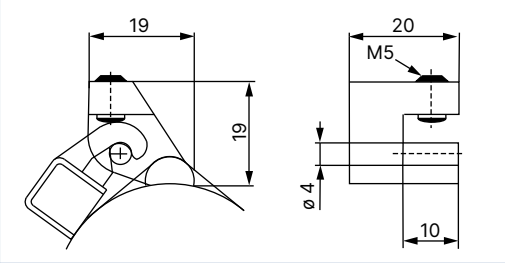
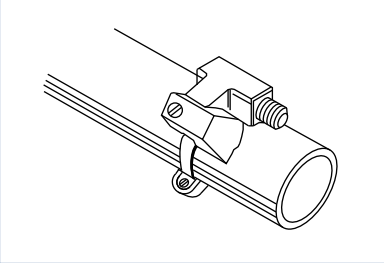
4.4. Tension band fastening with retention bracket for pneumatic cylinder Type 0044

Note:

- Dimensions in mm
- For pneumatic cylinders without tension anchor, piston diameter 8...80 mm
- Required for fastening:
  - 1x retention bracket (for all sizes), article no. 780114
  - 1x tension band

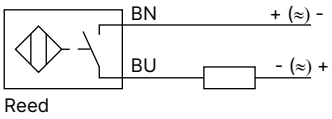




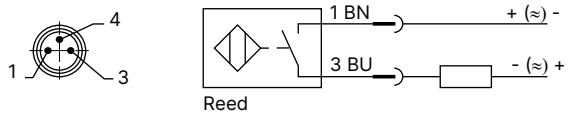
5. Device/Process connections

5.1. Switching diagram

Reed contact with LED with 0.3 m cable



Reed contact with LED, M8 connector with 0.3 m cable



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6. Ordering information

6.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

6.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

6.3. Ordering chart

Variant	Article no.
Reed contact with LED, M8 connector with 0.3 m cable	773219
Reed contact with LED, 3 m cable	772322

6.4. Ordering chart accessories

Variant	Article no.
Angled plug connector, M8, 3 m	780112
Plug connector, straight, M8, 3 m	780113
Retention bracket for tension band fastening (all sizes)	780114
Tension band for pistons Ø 8/10/12/16 mm	780115
Tension band for pistons Ø 20/25 mm	780116
Tension band for pistons Ø 32 mm	780117
Tension band for pistons Ø 40 mm	780118
Tension band for pistons Ø 50 mm	780119
Tension band for pistons Ø 63 mm	780120
Tension band for pistons Ø 80 mm	780121

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