DATA SHEET

Type TEU005

Cylinder switch

- Reed sensor for direct mounting
- LED switching status indication
- Male connector M8 straight or angled
- Cable connection 3m long
- 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 LED indication and analysed electrically.

DTS 1000110978 EN Version: F Status: RL (released | freigegeben | validé) printed: 15.10.2019

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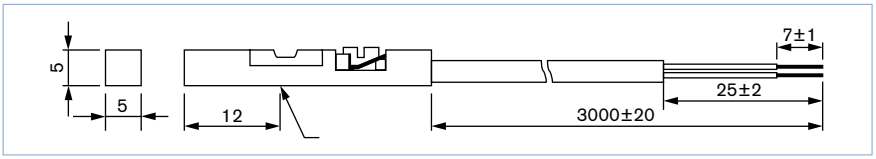
1. General technical data

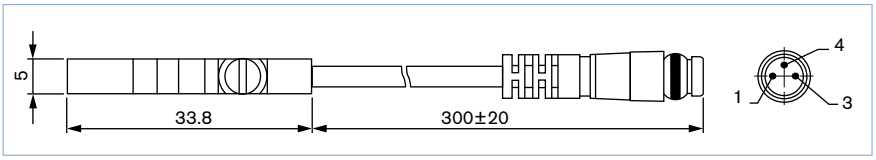
Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 3.
Version	For cylinder slot
Design	Reed contact, 2 pin, reverse polarity protection
Connection cable	Ø 2.8 mm, PUR
Switching status indication	LED red
Electrical data	
Operating voltage	5…240 V AC/DC 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
Breaking capacity	< 10 W
Max. voltage drop	< 2,5 V
Approvals and certificates	
Protection class	IP68
Environment and installation	
Ambient temperature	-10… + 70 °C

2. Dimensions

2.1. Reed contact with LED with 0.3 m cable

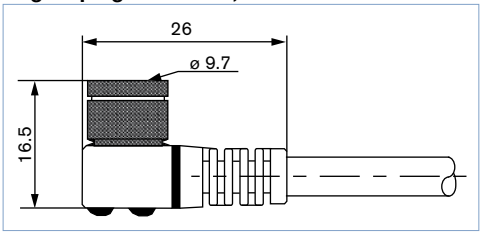


2.2. Reed contact with LED, M8 connector with 0.3 m cable

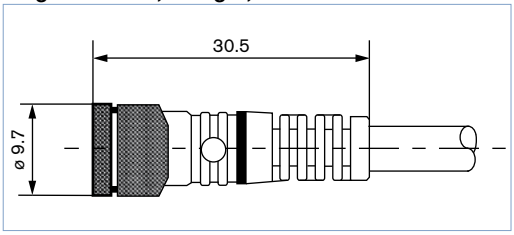


2.3. Plug connector without LED with 0.3 m cable, IP67

Angled plug connector, M8



Plug connector, straight, M8

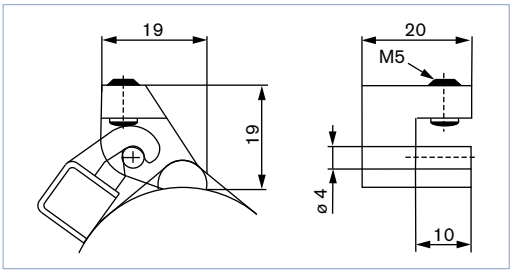


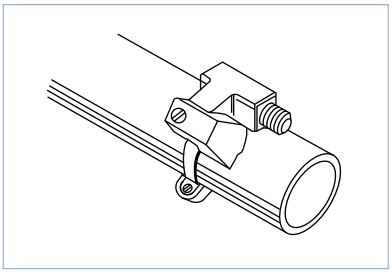
Tension band fastening with retention bracket for pneumatic cylinder Type 0044

Note:

- 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

Tension band fastening with retention bracket for pneumatic cylinder Type 0044

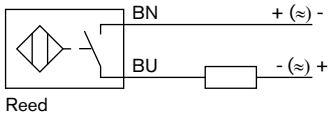




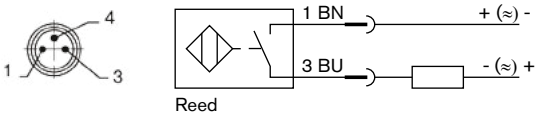
3. Device/Process connections

3.1. 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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4. Ordering information

4.1. Bürkert eShop – Easy ordering and quick delivery

Bürkert eShop – Easy ordering and fast 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

4.2. 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

4.3. Ordering chart

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

4.4. Ordering chart accessories

Version	Article no.
Angled plug connector, M8, 3 meter	780112
Plug connector, straight, M8, 3 meter	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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