

## M/50/LXU/5V

### ATEX-magnetically operated switch, reed contact

- ATEX - Magnetically operating switch, reed contact
- LED indicator
- CE verified
- Suitable for all cylinder ranges with magnetic piston



#### Technical features

**Operation:**  
Normal open with LED (yellow)

**Switching voltage (U<sub>b</sub>):**  
10 ... 240 V a.c./170 V d.c.

**Switching voltage output:**  
U<sub>b</sub> - 2,7 V

**Switching current (see graph overleaf):** 0,18 A max.

**Switching power:**  
10 W/10 VA max.

**Contact resistance:**  
150 mΩ

**Response time:**  
1,8 ms

**Operating temperature:**  
-20 ... +50°C (-4 ... +122°F)

**Ex-Identification:**  
II 3G Ex nC IIC T5 Gc X  
II 3D Ex tc IIIC T120°C Dc X


**Protection rating (EN 60529):**  
IP67

**Cable type:**  
PVC 2 x 0,25 mm<sup>2</sup>  
**Cable length:**  
5 m

**Electromagnetic compatibility according to:**  
EN 60947-5-2

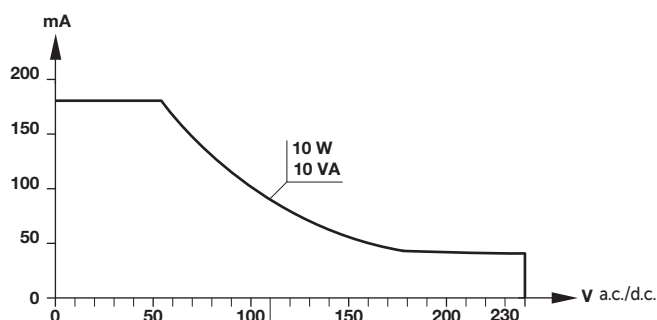
**Materials:**  
Body: plastic  
Cable: see table below

#### Technical data - Reed switches - additional information see data sheet en 4.3.015

Symbol	Voltage		Current maximum (mA)	Function	Operating temperature (°C)	LED	Protection class	Cable length (m)	Cable type	Weight (g)	Model
	(V a.c.)	(V d.c.)									
 ± BN ~ BU	10 ... 240	10 ... 170	180	Closer	-20 ... +50	•	IP67	5	PVC 2 x 0,25	40	M/50/LXU/5V

Color code: BN = brown, BU = blue

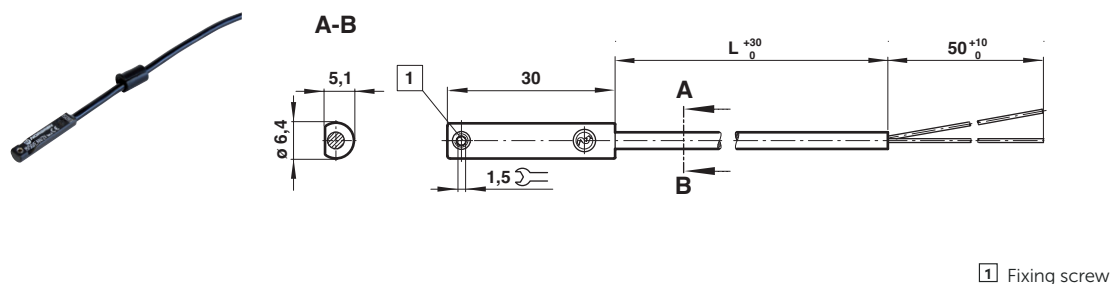
#### Switching current and switching voltage



## Dimensions




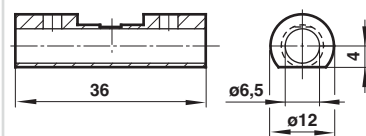



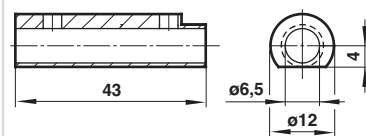
Cable length L = 5 m

Dimensions in mm  
Projection/First angle



## Protection of magnetic switch

1. Install the switch in a way that ensures to protect the switch against mechanical damage, shock or impact from any direction.
2. For an open installation of a magnetic switch onto a cylinder barrel with external tie rods or round cylinders, an additional protection element for the magnetic switch and his cable has to be installed with the mounting element. For the protection element of the housing a separate order for M/73668 or M/P73676 is required.

<p>Cylinder with external tie rods</p>  <p>Cylinder Ø (mm)</p> <p>32 ... 200</p>	<p>Mounting element for magnetic switch</p>  <p>Model</p> <p>QM/27/2/1</p>	<p>Protection unit ATEX</p>  <p>Model</p> <p>M/P73668</p>	
<p>Roundline cylinder, stroke ≥ 50 mm</p>  <p>Cylinder Ø (mm)</p> <p>10 12 16 20 25 32 40 50 63</p>	<p>Mounting element for magnetic switch</p>  <p>Model</p> <p>QM/33/010/22 QM/33/012/22 QM/33/016/22 QM/33/020/22 QM/33/025/22 QM/33/032/22 QM/33/040/22 QM/33/050/22 QM/33/063/22</p>	<p>Protection unit ATEX</p>  <p>Model</p> <p>M/P73673</p>	

Attention: During the assembly the magnetic switch must be completely inserted into the protection element.

## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren GmbH.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.