

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

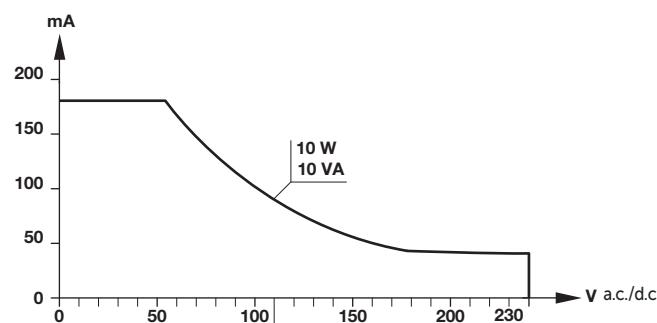
Operation:	Switching power:	Ex-Identification:	Electromagnetic compatibility according to:
Normal open with LED (yellow)	10 W/10 VA max.	II 3G Ex nC IIC T5 Gc X II 3D Ex tc IIIC T120°C Dc X	EN 60947-5-2
Switching voltage (Ub): 10 ... 240 V a.c./170 V d.c.	Contact resistance: 150 mΩ	Protection rating (EN 60529): IP67	
Switching voltage output: Ub - 2,7 V	Response time: 1,8 ms	Cable type: PVC 2 x 0,25 mm ²	Materials: Body: plastic
Switching current (see graph overleaf): 0,18 A max.	Operating temperature: -20 ... +50°C (-4 ... +122°F)	Cable length: 5 m	Cable: see table below

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

Symbol	Voltage (V a.c.)	Voltage (V d.c.)	Current maximum (mA)	Function	Operating temperature (°C)	LED	Protection class	Cable length (m)	Cable type	Weight (g)	Model
 BN	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

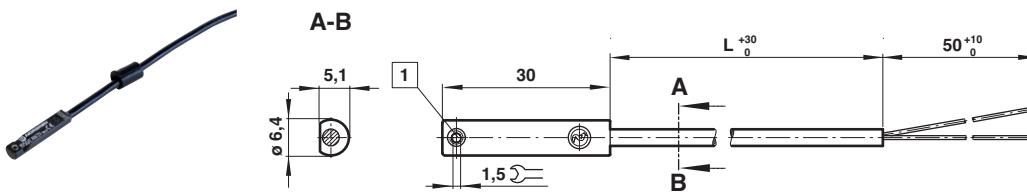
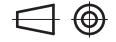
Switching current and switching voltage



Dimensions

Cable length L = 5 m

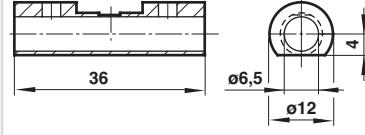
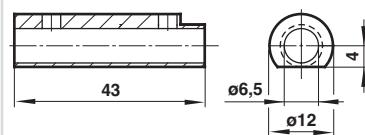
Dimensions in mm
Projection/First angle



1 Fixing screw

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.

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

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.