

- > Suitable for all cylinder ranges with magnetic piston
- > Switches can be mounted flush with the delivered special adaptor
- > LED indicator
- > Resistant, reliable switching with a very fast response time
- > Particularly suited for use in high levels of vibration
- > CE verificated





Technical features

Operation:

PNP-output with LED (yellow)

Switching voltage (Ub):

10 ... 30 V d.c.

Switching voltage output:

Ub - 2 V

Switching current (see graph)

150 mA max.

Switching power:

4,5 W max.

Response time:

< 0,5 ms

Switching frequency:

Operating temperatur:

-20 ... +50°C (-4 ... +122°F)

Ex-Identification:

II 3G Ex nA op is IIC T4 Gc X II 3D Ex to IIIC T110°C Dc IP67 X Protection rating (EN 60529):

IP 67

Cable type:

PVC 3 x 0,25 mm²

Cable length:

Electromagnetic compatibility

according to: EN 60947-5-2

Materials:

Body: plastic

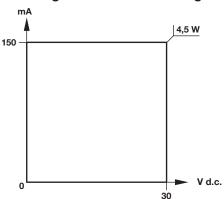
Cable: see table below

Technical data

Symbol	Voltage (V d.c.)	Current maximum (mA)	Function	Operating temperature (°C)	LED	Protection class	Cable length (m)	Cable type	Weight (g)	Model
+ BN BU BK	10 30	150	PNP	-20 +50	•	IP67	5	PVC 3 x 0,25	40	M/50/EXP/5V

Color code: BK = black, BN = brown, BU = blue

Switching current and switching voltage



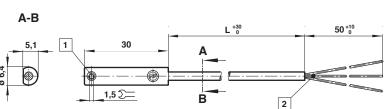
Dimensions Cable length L = 5 m

Dimensions in mm Projection/First angle













Protection against mechanical impacts on the magnetic switch:

1. Protection through profile groove

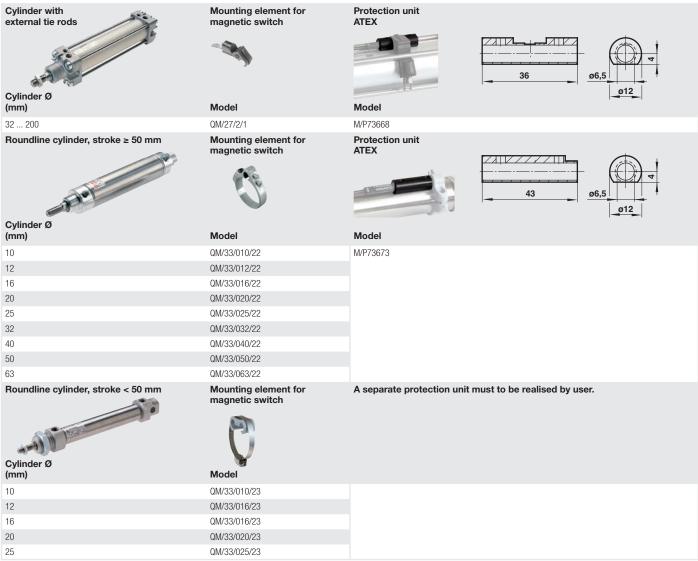
For cylinders with profile barrel, the magnetic switch is well protected in the profile groove. No additional impact protection is required.

2. Protection through measures by customer

The customer can, for example, install a protection plate or the magnet switch has a position that it protects against damages.

3. Protection through a separate protection element

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 has to be installed with the mounting element. A separate order for the protection element M/P73668 or M/P73673 is required!



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

Warning

These products are intended for use in industrial systems only. Do not use these products where values can exceed those listed under

»Technical features/data«.

Before using these products with non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

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 control 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.