

MZ072177

MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS

For many tasks in the field of automation technology, it is necessary to recognize the motional processes in pneumatic and hydraulic cylinders and to detect the position of the piston with precision. For this, magnetic cylinder sensors are used.



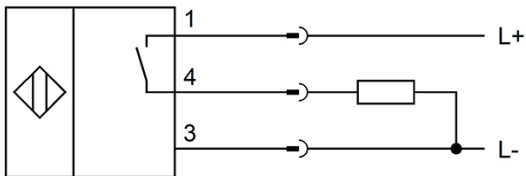
TECHNICAL DATA

| | |
|---|---------------------------|
| Ambient temperature | -25 °C ... 80 °C |
| Cable length | 0.3 m |
| Cross/short circuit identification possible | Yes |
| Cylinder sensors | Yes |
| Degree of protection (IP) | IP67 |
| For T-groove | Yes |
| Harsh environmental conditions | No |
| Housing design | Cuboid |
| Housing material | Plastic |
| Increased ambient temperatures > 80°C | No |
| Low sensitivity | No |
| Low switching hysteresis | Yes |
| Material of cable sheath | PUR (Polyurethane) |
| Max. output current | 200 mA |
| Metal housing | No |
| Metallic sensor surface | No |
| Mounting access, cylinder groove | From the top |
| Number of pins | 3 |
| Oil and cooling lubricants | No |
| Operating voltage | 10 V ... 30 V |
| Rated supply voltage at DC | 10 V ... 30 V |
| Reed contact | No |
| Reverse polarity protection | Yes |
| Sensor height | 4.6 mm |
| Sensor length | 30.5 mm |
| Sensor surface (active) | Border area / edge area |
| Sensor surface position | Border area of the device |
| Sensor width | 6.2 mm |
| Setting via teach-in | No |
| Short travel path | No |

TECHNICAL DATA

| | |
|--|-----------------------|
| Short-circuit-proof | Yes |
| Strong vibration / motion | No |
| Suitable for safety functions | No |
| Two switching points | No |
| Type of actuation | Magnet |
| Type of electrical connection | Cable connector M8 |
| Type of electrical connection | Cable with connector |
| Type of switching function | Normally open contact |
| Type of switching output | PNP |
| Voltage type | DC |
| With LED display | Yes |
| With monitoring function of downstream devices | No |

CONNECTION



Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING

INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.

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