

MZ070171

Magnetic field sensors • Sensors for T-slot

sensor magnetic, cylinder, 6.2mm T-groove, 4,7x29x6,2mm, 10-30V DC, 1x PNP NO, Cable connector M8 3pin 0.3m PUR (Polyurethane), IP67, Plastic, LED, mounting Lateral, Sensor surface position Border area of the device



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.

Electrical features

| | |
|-------------------------------|----------------------------|
| Number of switching outputs | 1 |
| Display | LED display |
| Type of switching function | Normally open contact (NO) |
| Type of electrical connection | Cable connector M8 |
| Type of switching output | PNP |
| Rated switching current | 130 mA |
| Short-circuit protection | Yes |
| No-load current | 10 mA |
| Number of pins | 3 |
| Switching frequency | 2000 Hz |
| Sensor surface (active) | Border area / edge area |
| Voltage drop | 3 V |
| Reverse polarity protection | Yes |
| Operating voltage (DC) | 10 - 30 V |

Mechanical features

| | |
|----------------------------------|---------------------------|
| Design | Cuboid |
| Width | 6.2 mm |
| Height | 4.7 mm |
| Cable length | 0.3 m |
| Sensor surface position | Border area of the device |
| Length | 29 mm |
| Mounting access, cylinder groove | Lateral |
| Degree of protection (IP) | IP67 |
| Housing material | Plastic |
| Material of cable sheath | Plastic (PUR) |
| Ambient temperature | -25 - 80 °C |

Other features

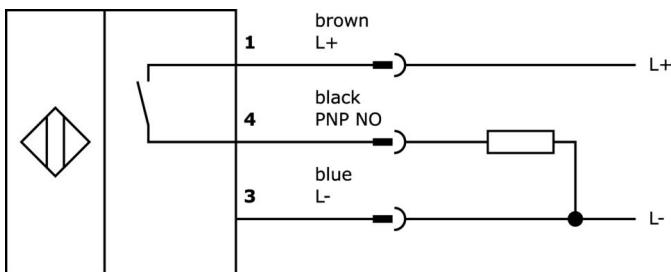
| | |
|------------------|---------------|
| Suitable for | 6.2mm T-slot |
| Cylinder version | With T-groove |

Classification

| | |
|--------|------------------------------------|
| ETIM 8 | EC002544 Magnetic proximity switch |
|--------|------------------------------------|

More

| | |
|-----------------------|--|
| IPF Product Group | 223 pneumatic cylinder sensors (diverse) |
| packaging dimensions | 140 x 80 x 10 mm |
| gross weight | 8 g |
| Customs tariff number | 85365019 |
| WEEE number | 40951076 |
| Reach-compliant | Yes |
| RoHS-compliant | Yes |

Connection

Extract accessories program**AM000037**

accessories magnetic, Mounting clip, 18x19x19mm, span 8.3-9.
4mm, Plastic, For sensor MZ07, for Cylinder, 8round

AM000038

accessories magnetic, Mounting clip, 20x21x19mm, span 10.2-11.
95mm, Plastic, For sensor MZ07, for Cylinder, 10round

AY000141

Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

AY000154

Tool, Screwdriver set, Internal hexagon 0.7mm, Internal hexagon 0.9mm, Internal hexagon 1.3mm, Internal hexagon 1.5mm, Internal hexagon 2mm, Slot 1.5mm, Slot 2mm, Slot 2.5mm, Chromium steel

AM98E153

accessories magnetic, Installation tape, 259x9.5mm, Span 35-68mm,
For sensor MZ07, Stainless steel

AM98A882

accessories magnetic, For sensor MZ07, for Cylinder, Bosch profiled barrel, Screw mounting

AM000087

accessories magnetic, Cable clip, Plastic

AM000076

accessories magnetic, clamp, 4x6, 2x6,2mm, aluminum

VYR90270

Signal inversion, Ø9mm 32long,
10-35V DC, 1x NC, M8 0.3m, IP67,
Aluminum

You can find further accessories on our homepage

**Installation**

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

**Disposal**

WEEE number according to § 6 para. 3
ElektroG: 40951076

Safety warnings

- I** Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- I** Never use these devices in applications where the safety of a person depends on their functionality.