

## 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

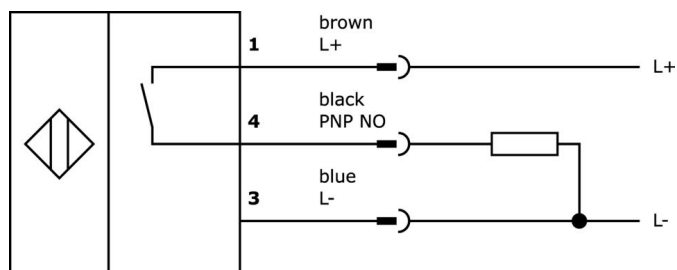
## Classification

ETIM 8	EC002544 Magnetic proximity switch
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## 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

/ 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.