

## MZ0701AB

### Magnetic field sensors • Sensors for T-slot

sensor magnetic, cylinder, 6.2mm T-groove, 6,3x30x6,2mm, 10-30V DC, 1x PNP NO, Cable 10m PUR (Polyurethane), IP67, Zinc die-cast, LED, 2.5mT, mounting Lateral, Short travel path, Sensor surface position Center 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
Type of switching output	PNP
Rated switching current	150 mA
Short-circuit protection	Yes
No-load current	15 mA
Magnetic sensitivity	2.5 mT
Switching frequency	1000 Hz
Sensor surface (active)	Middle area
Voltage drop	2 V
Reverse polarity protection	No
Operating voltage (DC)	10 - 30 V

#### Mechanical features

Number of cores	3
Design	Cuboid
Width	6.2 mm
Height	6.3 mm
Cable length	10 m
Sensor surface position	Center of the device
Length	30 mm
Mounting access, cylinder groove	Lateral
Degree of protection (IP)	IP67
Housing material	Zinc die-cast
Material of cable sheath	Plastic (PUR)
Strong vibration / motion	Yes
Ambient temperature	-25 - 70 °C

## Other features

Features	short crossing distance
Suitable for	6.2mm T-slot
Cylinder version	With T-groove
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

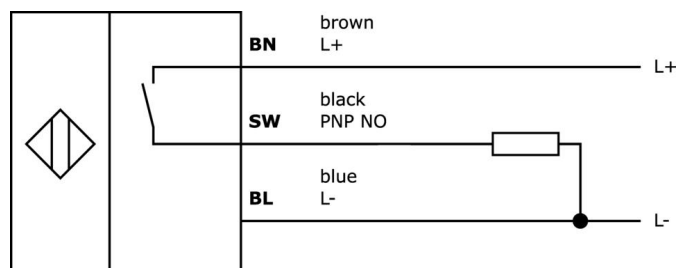
## Classification

ETIM 8	EC002544 Magnetic proximity switch
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## More

IPF Product Group	220 pneumatic cylinder sensors
packaging dimensions	149 x 124 x 35 mm
gross weight	170 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

## Connection



## Extract accessories program

### AM000087



accessories magnetic, Cable clip,  
Plastic

### AM98A882



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

### 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

### VY850001



Inverter/signal-inversion/turn-off  
delay, 85x65x18mm, 0.01-10s, 12-  
30V DC, 1x NC/NO, Clamp 8pin,  
IP40, Plastic, Plug-in jumpers

### VY850002



Inverter/signal-inversion/turn-off  
delay, 85x65x18mm, 0.01-10s, 12-  
30V DC, 1x NC/NO, Clamp 8pin,  
IP40, Plastic, Plug-in jumpers

### NG530002



DC power supply, single-phase,  
99x114x22mm, 24V, 0.1A,  
Number of relay outputs 2, 100-  
264V AC 50Hz, 100-264V AC 60Hz,  
Screw connection, IP20, Plastic,  
Stabilized, Output voltage, pulsed

### VY000004



DC power supply, sensor tester,  
120x26x72mm, 18V, 0.04A, Spring  
clamp connection 4pin, IP20,  
Plastic

### AM98E153



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

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.