

MZ0701AA

Magnetic field sensors • Sensors for T-slot

sensor magnetic, cylinder, 6.2mm T-groove, 6,3x30x6,2mm, 10-30V DC, 1x PNP NO, Cable 5m 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	Yes
Operating voltage (DC)	10 - 30 V

Mechanical features

Number of cores	3
Design	Cuboid
Width	6.2 mm
Height	6.3 mm
Cable length	5 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

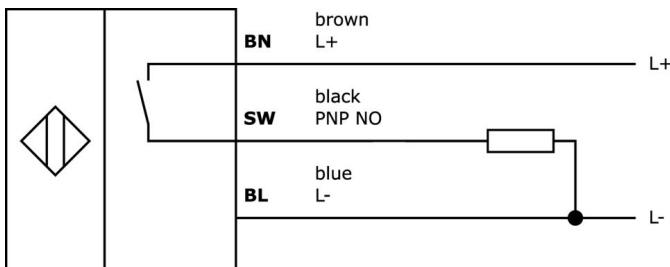
Features	short crossing distance
Suitable for	6.2mm T-slot
Cylinder version	With T-groove
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

Classification

ETIM 8	EC002544 Magnetic proximity switch
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More

IPF Product Group	220 pneumatic cylinder sensors
packaging dimensions	200 x 150 x 20 mm
gross weight	61 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

Extract accessories program**AM000087**accessories magnetic, Cable clip,
Plastic**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**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**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**AM000076**accessories magnetic, clamp, 4x6,
2x6,2mm, aluminum**VY000004**DC power supply, sensor tester,
120x26x72mm, 18V, 0.04A, Spring
clamp connection 4pin, IP20,
Plastic

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.