

## MZ0721F4

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

Sensor Magnetic, cylinder, 6.2mm T-slot, 6.3x30x6.2mm, 10-30V DC, 1x PNP NO, M8 cable connector 3-pin 0.6m PUR (polyurethane), IP67, zinc diecast, LED, 2.8mT, lateral installation, position of sensor surface in center of 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	150 mA
Short-circuit protection	No
No-load current	15 mA
Magnetic sensitivity	2.8 mT
Number of pins	3
Switching frequency	1000 Hz
Sensor surface (active)	Middle area
Voltage drop	2 V
Reverse polarity protection	Yes
Absolute repeat accuracy	0.1 mm
Operating voltage (DC)	10 - 30 V

**Mechanical features**

Design	Cuboid
Width	6.2 mm
Height	6.3 mm
Cable length	0.6 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**

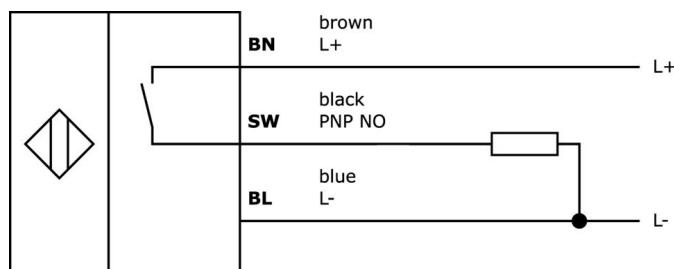
Suitable for	6.2mm T-slot
Cylinder version	With T-groove
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

**Classification**

ETIM 8	EC002544 Magnetic proximity switch
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**More**

IPF Product Group	221 pneumatic cylinder sensors (low cost / reed)
packaging dimensions	120 x 100 x 30 mm
gross weight	16 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**

**Extract accessories program****AM98E153**

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

**AV000142**

accessories cable socket, Mounting clip, 8.5mm, PPO, Packaging unit 5, Accessories for Cable socket/connector M8

**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

**VK030F82**

Connection cable, 0.3m, M8 socket 3-pin angular, M12 connector 3-pin straight, 3x0. 34mm<sup>2</sup>, PUR (polyurethane), IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**VK060F82**

Connection cable, 0.6m, M8 socket 3-pin angular, M12 connector 3-pin straight, 3x0. 34mm<sup>2</sup>, PUR (polyurethane), IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**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.