

## MZ0721K4

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

sensor magnetic, cylinder, 6.2mm T-groove, 6,3x30x6,2mm, 10-30V DC, 1x PNP NO, Cable connector M8 3pin 1m PUR (Polyurethane), IP67, Zinc die-cast, LED, 2.8mT, mounting Lateral, 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 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	1 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**

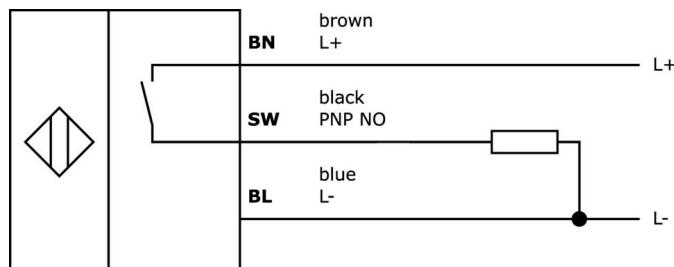
Suitable for	6.2mm T-slot
Cylinder version	With T-groove
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

**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 mm
gross weight	19 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**

## Extract accessories program

## AM000087



accessories magnetic, Cable clip,  
Plastic

## VK030F80



Connection cable, 0.3m, M8  
socket 3-pin angular, M12  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), 60V,  
IP67, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

## VK030F84



Connection cable, 0.3m, M8  
socket 3-pin straight, M12  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), 60V,  
IP67, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

## 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

## VK003070



Cable socket, Angular, Suitable for  
self-assembly, Soldering  
connection, Ø3.5-5mm, 4A, 60V, -  
40-85°C, M8 Female (socket) 3pin,  
IP67, Brass

## VK003074



Cable socket, Straight, Suitable for  
self-assembly, Soldering  
connection, Ø3.5-5mm, 4A, 60V, -  
40-85°C, M8 Female (socket) 3pin,  
IP67, Brass

## 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

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.