

MZ070184

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 0.3m Polytetrafluoroethylene (PTFE), IP67, Zinc die-cast, LED, 2.5mT, mounting Lateral, Short travel path, Sensor surface position Center of the ...



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	Yes
No-load current	15 mA
Magnetic sensitivity	2.5 mT
Number of pins	3
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

Design	Cuboid
Width	6.2 mm
Height	6.3 mm
Cable length	0.3 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 (PTFE)
Strong vibration / motion	Yes
Ambient temperature	-25 - 70 °C

Other features

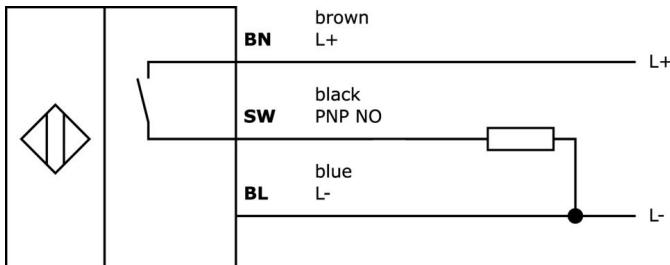
Features	short crossing distance
Suitable for	6.2mm T-slot
Cylinder version	With T-groove
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

Classification

ETIM 8	EC002544 Magnetic proximity switch
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More

IPF Product Group	220 pneumatic cylinder sensors
packaging dimensions	120 x 100 x 14 mm
gross weight	17 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

Extract accessories program

VK030F70



Connection cable, 0.3m, M8
socket 3-pin angular, M8
connector 3-pin straight, 3x0.
34mm², PUR (polyurethane), 60V,
IP67, suitable for trailing chain and
torsion resistant, oils and cooling
lubricants, welding area, silicone-
free

VK030F74



Connection cable, 0.3m, M8
socket 3-pin straight, M8
connector 3-pin straight, 3x0.
34mm², PUR (polyurethane), 60V,
IP67, suitable for trailing chain and
torsion resistant, oils and cooling
lubricants, welding area, silicone-
free

VY030170



time stage, Turn-off delay, 0-0.15s,
10-35V DC, 1x NO, M8 3pin 0.3m,
IP67, Plastic, Potentiometer

VY030174



time stage, Turn-off delay, 0-0.15s,
10-35V DC, 1x NO, M8 3pin 0.3m,
IP67, Plastic, Potentiometer

AV000142



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

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

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.