MZ071175

Magnetic field sensors ● Sensors for T-slot

sensor magnetic, cylinder, 6.2mm T-groove, 16x22x9,6mm, 10-30V DC, 1x NPN NO, Connector M8 3pin, IP67, Zinc die-cast, LED, mounting Lateral, Sensor surface position Border area 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	Connector M8
Type of switching output	NPN
Rated switching current	150 mA
Absolute hysteresis	1 mm
Short-circuit protection	Yes
No-load current	15 mA
Number of pins	3
Switching frequency	1000 Hz
Sensor surface (active)	Border area / edge 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	9.6 mm
Height	16 mm
Sensor surface position	Border area of the device
Length	22 mm
Mounting access, cylinder groove	Lateral
Degree of protection (IP)	IP67
Housing material	Zinc die-cast
Strong vibration / motion	Yes
Ambient temperature	-25 - 75 °C

Other features

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

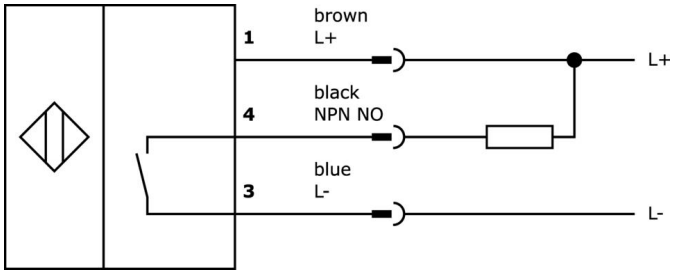
Classification

ETIM 8	EC002544 Magnetic proximity switch

More

IPF Product Group	223 pneumatic cylinder sensors (diverse)
packaging dimensions	95 x 75 x 17 mm
gross weight	20 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

VK200271

Connection cable, 2m, M8 Female (socket) 3pin Angular, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, -30-90°C, IP67, With LED display, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silico...

VK500271

Connection cable, 5m, M8 Female (socket) 3pin Angular, Free conductor end 3pin, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, -30-90°C, IP67, With LED display, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, S...

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

VK030F80

Connection cable, 0.3m, M8 socket 3-pin angular, M12 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

VK030F84

Connection cable, 0.3m, M8 socket 3-pin straight, M12 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

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

/ 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.