

## MZA7C902

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

sensor magnetic, cylinder, 6.2mm T-groove, 16x22x9,6mm, 10-30V DC, 1x PNP NO, Connector M8 3pin, IP67, Zinc die-cast, LED, 2.8mT, mounting Lateral, Packaging unit 100 (MZA70175), 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	PNP
Rated switching current	150 mA
Absolute hysteresis	1 mm
Short-circuit protection	Yes
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
ardSOCA_ElektrischerAnschluss	M8 3-pin plug connector

**Mechanical features**

Tightening torque	0.5 Nm
Design	Cuboid
Width	9.6 mm
Height	16.5 mm
Sensor surface position	Center of the device
Length	22 mm
Mounting access, cylinder groove	From the top
Degree of protection (IP)	IP67
Housing material	Zinc die-cast
Strong vibration / motion	Yes
Ambient temperature	-25 - 75 °C
ardSOCA_Abmessungen	22x9.6x16.5mm

**Other features**

Suitable for	6.2mm T-slot
Harsh environmental conditions	Yes
Oil and cooling lubricants	Yes

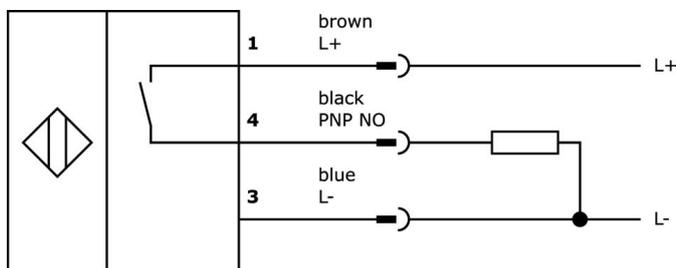
**Classification**

ETIM 8	EC002544 Magnetic proximity switch
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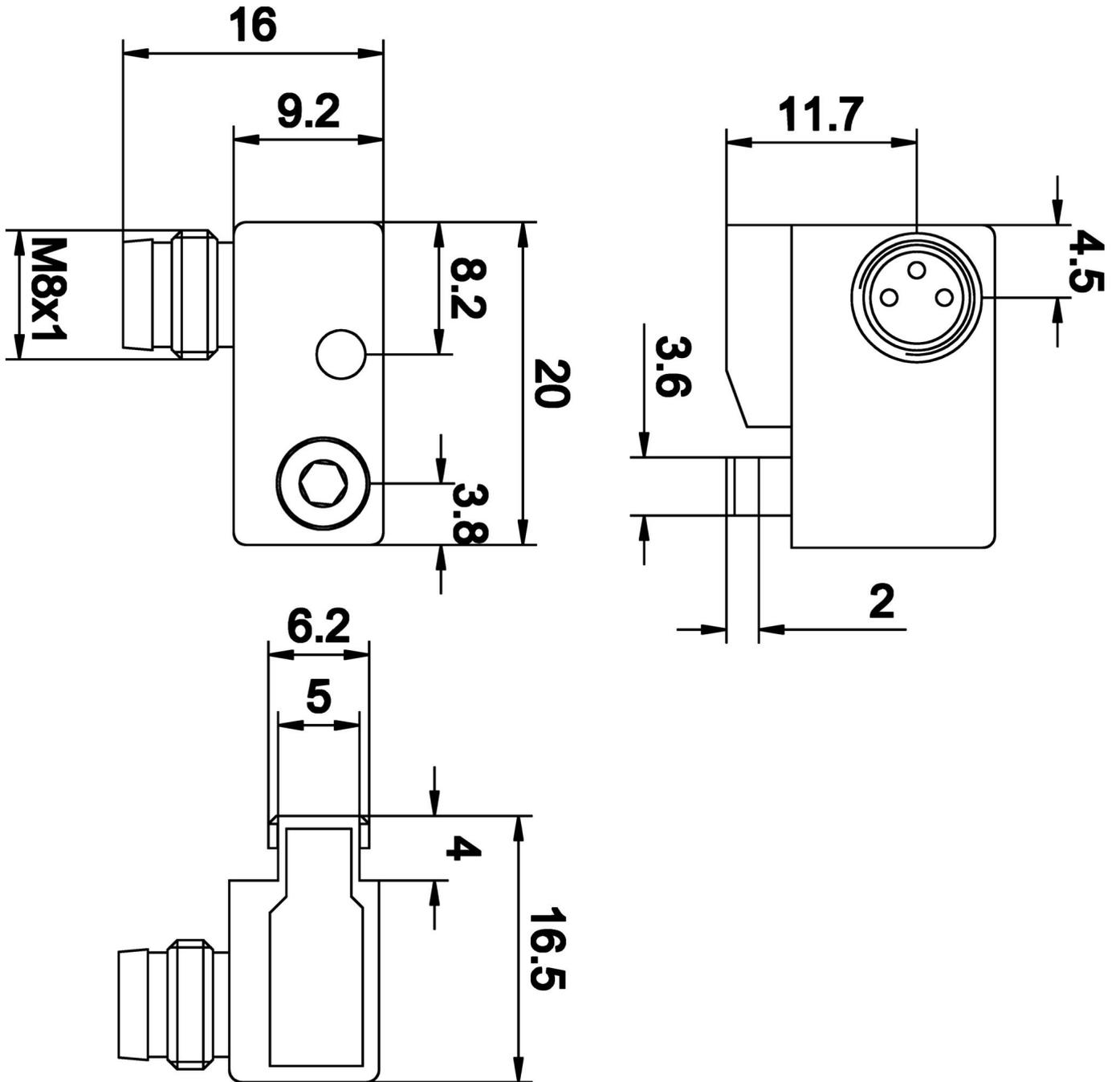
**More**

IPF Product Group	220 pneumatic cylinder sensors
packaging dimensions	220 x 140 x 70 mm
gross weight	1207 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



Dimensional drawing



**Extract accessories program**

**VY000004**



DC power supply, sensor tester, 120x26x72mm, 18V, 0.04A, Spring clamp connection 4pin, IP20, Plastic

**NG530002**



DC power supply, single-phase, 99x114x22mm, 24V, 0.1A, Number of relay outputs 2, 100-264V AC 50Hz, 100-264V AC 60Hz, Screw connection, IP20, Plastic, Stabilized, Output voltage, pulsed

**AM000070**



accessories magnetic, Mounting clip, 12x30x25mm, span 3.9-6.6mm, Metal, For sensor MZ07, for Cylinder pull-rod, Screw mounting

**AM000071**



accessories magnetic, Mounting clip, 16x30x30mm, span 6.1-8.5mm, Aluminum, For sensor MZ07, for Cylinder pull-rod, Screw mounting

**AM000072**



accessories magnetic, Mounting clip, 18x30x38mm, span 8.95-10.7mm, Aluminum, For sensor MZ07, for Cylinder pull-rod, Screw mounting

**AM000073**



accessories magnetic, Mounting clip, 16x30x25mm, span 7.65-11.25mm, Aluminum, For sensor MZ07, for Profile cylinders, Screw mounting

**AM000074**



accessories magnetic, Mounting clip, 18x30x28mm, span 10.8-14.2mm, Aluminum, For sensor MZ07, for Profile cylinders, Screw mounting

**AM000075**



accessories magnetic, Mounting clip, 24x30x32mm, span 13.25-16.88mm, Aluminum, For sensor MZ07, for Profile cylinders, Screw mounting

**AM000076**



accessories magnetic, clamp, 4x6, 2x6,2mm, 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**

- / 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.