



## Magnetic Cylinder Sensors Dove-tail groove cylinder

MZK1-02VPS-AT0



**Model Name** > [MZK1-02VPS-ATO](#)  
**Part No.** > [7900604](#)



**At a glance**

- Simple mounting onto dove-tail cylinders
- IP 67 enclosure rating
- Industrial aluminum housing
- Cable or connector connection
- LED status indicator

**Your benefits**

- Simple drop-in mounting on cylinders with a dovetail groove saves installation time
- Highly resistant to shock and vibrations, ensuring a long service life and reduced maintenance costs
- High switching point accuracy reduces material loss



**Features**

Switching frequency typ.:	5,000 Hz
Output type:	PNP
Output function:	NO
Electrical wiring:	DC 3-wire
Sensing face:	Front
Cylinder type:	Dove-tail groove cylinder
Housing length:	26 mm
Enclosure rating:	IP 67 <sup>1)</sup>

<sup>1)</sup> According to EN 60529

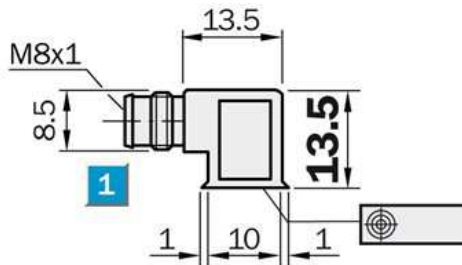
**Mechanics/electronics**

Electrical connection:	Connector M8, 3-pin
Thread size:	M8
Supply voltage:	10 V DC ... 30 V DC
Power consumption:	≤ 10 mA <sup>1)</sup>
Voltage drop:	≤ 1.5 V <sup>2)</sup>
Output current I <sub>a</sub> :	≤ 300 mA
EMC:	According to EN 60947-5-2
Reverse polarity protection:	✓
Short-circuit protection:	✓
Housing material:	Metal, Aluminum

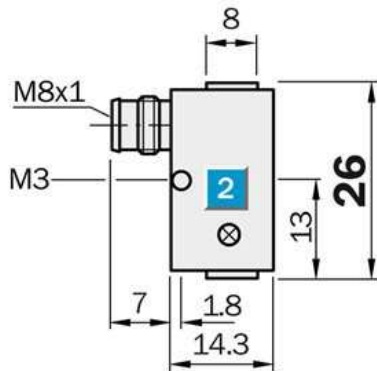
Sensing face material:	Plastic
Power-up pulse protection:	✓
Time delay before availability:	≤ 2 ms
Magnetic field sensitivity, min.:	2 mT
Repeatability:	≤ 0.1 mm <sup>3)</sup>
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient temperature operation:	-25 °C ... 75 °C

1) Without load    2) At I<sub>a</sub> max    3) U<sub>b</sub> and T<sub>a</sub> constant

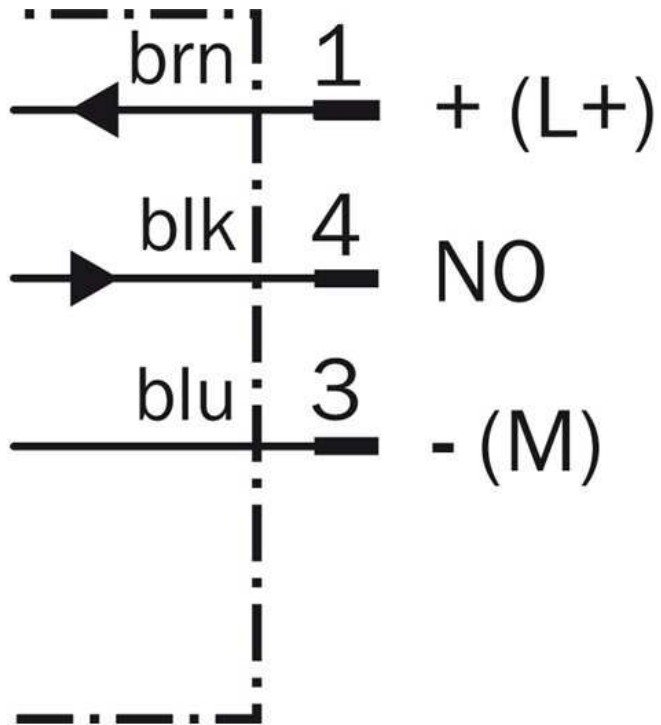
### Dimensional drawing



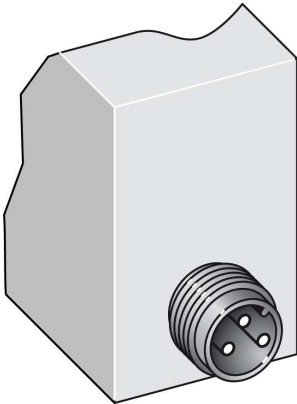
|1| Connection  
|2| LED indicator



Connection diagram



Connection type



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