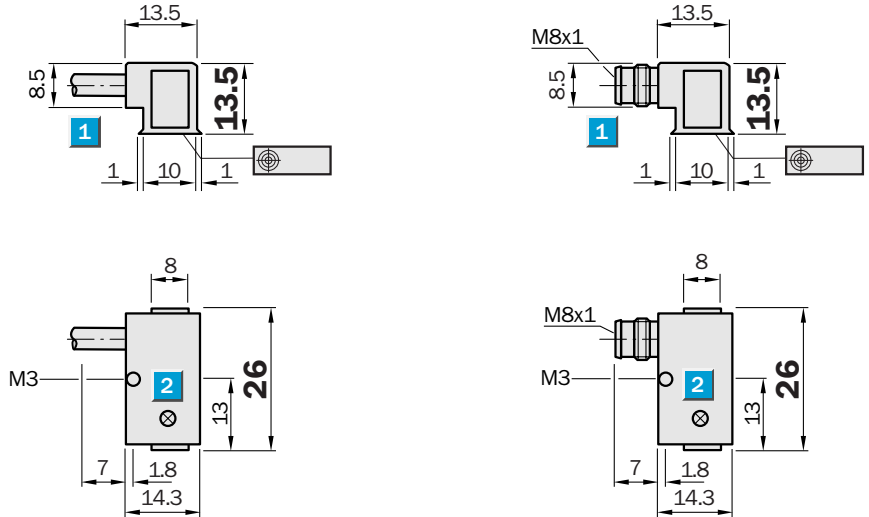


**for short-stroke cylinders**  
Magnetic cylinder sensor

- Simple mounting on short-stroke cylinders
- High repeat accuracy
- Solid aluminium housing with special profile and clamping screw
- Cable or connector
- LED status indicator

**Dimensional drawing**



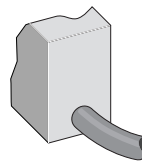
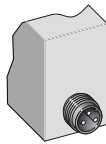
- 1 Connection
- 2 Display LED



**Connection type**

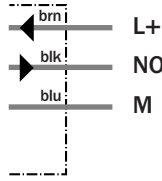
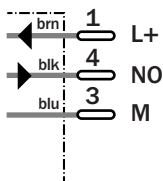
MZK1-02VPS-ATO

MZK1-02VPS-AUO



M8, 3-pin

3 x 0.25 mm<sup>2</sup>



**See chapter Accessories**

Connector, M8, 3-pin

Technical data		MZK1-	02VPS -ATO	02VPS -AU0									
Sensing face	Front												
<b>Electrical configuration</b>	DC 3-wire												
<b>Supply voltage V<sub>s</sub></b>	DC 10 ... 30 V												
Response sensitivity	2 mT												
Residual ripple V <sub>pp</sub>	≤ 10 % <sup>1)</sup>												
Voltage drop V <sub>d</sub>	≤ 1.5 V <sup>2)</sup>												
Power consumption	≤ 10 mA <sup>3)</sup>												
<b>Continuous current I<sub>a</sub></b>	≤ 300 mA												
Time delay before availability t <sub>v</sub>	≤ 2 ms												
Hysteresis H, of s <sub>r</sub>	≤ 1 mm												
Repeatability R	≤ 0.1 mm (U <sub>b</sub> and T <sub>a</sub> constant)												
EMC	According to EN 60947-5-2												
<b>Switching output</b>	PNP												
<b>Output function</b>	Normally open												
<b>Connection type</b>	Cable, PVC/PUR, 2 m												
	Connector, M8, 3-pin												
Enclosure rating	IP 67 <sup>4)</sup>												
Max. switching frequency	5,000 Hz												
<b>Wire-break protection</b>	✓												
<b>Short circuit protection</b>	✓ <sup>5)</sup>												
<b>Reverse polarity protection</b>	✓												
<b>Power-up pulse suppression</b>	✓												
Shock/vibration stress	30 g, 11 ms / 10 ... 55 Hz, 1 mm												
Ambient operating temperature T <sub>a</sub>	-25 °C ... +75 °C												
Housing material	Aluminium, plastic												

<sup>1)</sup> of U<sub>b</sub>

<sup>2)</sup> at I<sub>a</sub> max

<sup>3)</sup> without load

<sup>4)</sup> according to EN 60 529  
<sup>5)</sup> (pulsed)

Order information	
Type	Order no.
MZK1-02VPS-ATO	7 900 604
MZK1-02VPS-AU0	7 900 602