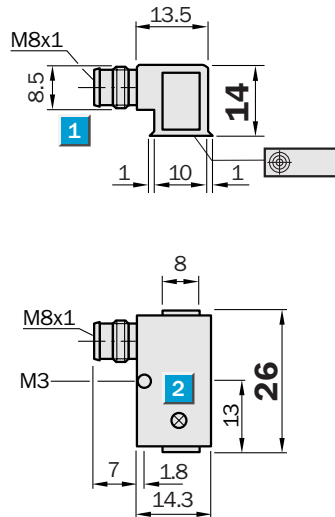


for short-stroke cylinders
Magnetic cylinder sensor

- Mountable from the top
- High repeat accuracy
- Solid aluminium housing with special profile and clamping screw
- Connector
- LED status indicator

Dimensional drawing

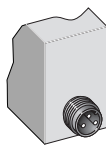


- 1 Connection
- 2 Display LED

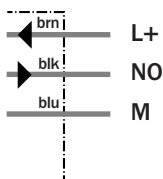


Connection type

MZK3-02VPS-ATO



M8, 3-pin



See chapter Accessories

Connector, M8, 3-pin

Technical data		MZK3-	02VPS-ATO										
Sensing face	Front												
Electrical configuration	DC 3-wire												
Supply voltage V_s	DC 10 ... 30 V												
Response sensitivity	2 mT												
Residual ripple V_{pp}	$\leq 10\%$ ¹⁾												
Voltage drop V_d	$\leq 1.5\text{ V}$ ²⁾												
Power consumption	$\leq 10\text{ mA}$ ³⁾												
Continuous current I_a	$\leq 300\text{ mA}$												
Time delay before availability t_v	$\leq 2\text{ ms}$												
Hysteresis H, of s_r	$\leq 1\text{ mm}$												
Repeatability R	$\leq 0.1\text{ mm}$ (U_b and T_a constant)												
EMC	According to EN 60947-5-2												
Switching output	PNP												
Output function	Normally open												
Connection type	Connector, M8, 3-pin												
Enclosure rating	IP 67 ⁴⁾												
Max. switching frequency	5,000 Hz												
Wire-break protection	✓												
Short circuit protection	✓ ⁵⁾												
Reverse polarity protection	✓												
Power-up pulse suppression	✓												
Shock/vibration stress	30 g, 11 ms / 10 ... 55 Hz, 1 mm												
Ambient operating temperature T_a	-25 °C ... +75 °C												
Housing material	Aluminium, plastic												

¹⁾ of U_b

²⁾ at I_a max

³⁾ without load

⁴⁾ according to EN 60 529
⁵⁾ (pulsed)

Order information	
Type	Order no.
MZK3-02VPS-ATO	7 901 952