



Magnetic Cylinder Sensors Roundbody cylinder

MZR1-03VNS-AT0



Model Name > [MZR1-03VNS-ATO](#)
Part No. > [7900595](#)



At a glance

- Mounting on round-body cylinders Ø 8 ... 63 mm with R1 mounting bracket
- Cable or plug connection
- Industrial aluminum housing
- IP 67 enclosure rating
- LED status indicator
- High repeatability

Your benefits

- Highly resistant to shock and vibrations, ensuring a long service life and reduced maintenance costs
- High switching point accuracy reduces material loss



Features

Output type:	NPN
Output function:	NO
Electrical wiring:	DC 3-wire
Enclosure rating:	IP 67 ¹⁾
Sensing face:	Front
Cylinder types with adapter:	Roundbody cylinder
Housing length:	37 mm
Switching frequency typ.:	5,000 Hz

¹⁾ According to EN 60529

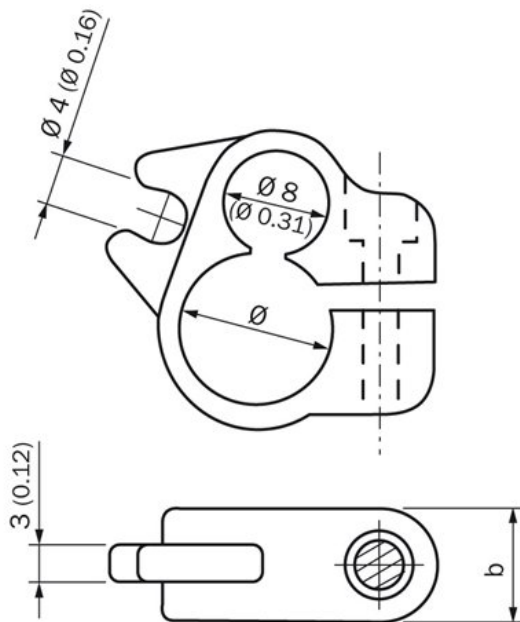
Mechanics/electronics

Connection type:	Connector M8, 3-pin
Supply voltage:	10 V DC ... 30 V DC
Power consumption:	≤ 10 mA ¹⁾
Voltage drop:	≤ 1.5 V ²⁾
Output current I _a :	≤ 300 mA
Repeatability:	≤ 0.1 mm ³⁾
EMC:	According to EN 60947-5-2
Reverse polarity protection:	✓
Short-circuit protection:	✓
Housing material:	Metal, Aluminum
Sensing face material:	Plastic

Time delay before availability:	$\leq 2 \text{ ms}$
Ambient operating temperature:	$-25 \text{ }^{\circ}\text{C} \dots 75 \text{ }^{\circ}\text{C}$
Power-up pulse protection:	✓
Thread size:	M8
Magnetic field sensitivity, min.:	$\leq 3 \text{ mT}$
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm

1) Without load 2) At $I_a \text{ max}$ 3) U_b and T_a constant

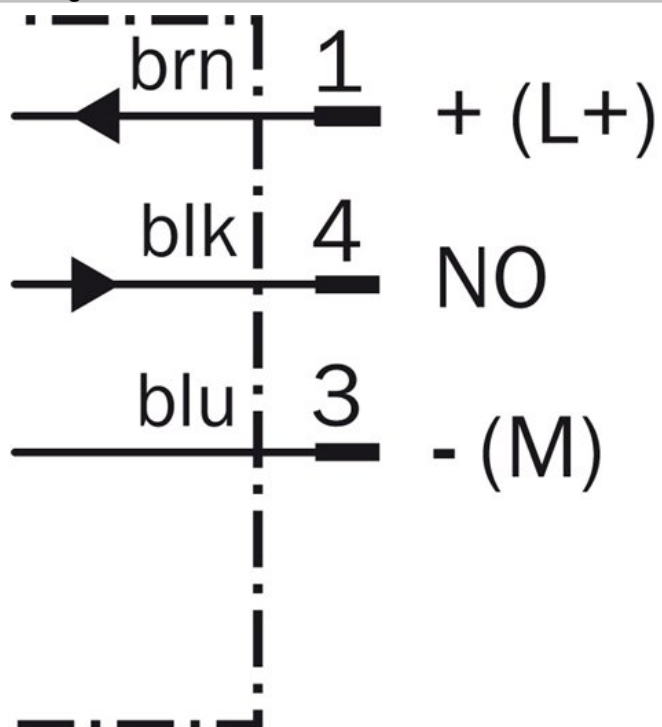
Dimensional drawing



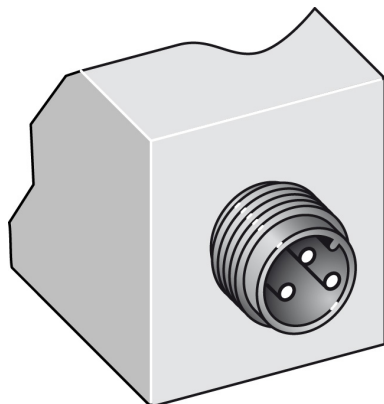
[1] Connection
[2] LED indicator

All dimensions in mm (inch)

Connection diagram



Connection type



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