



Magnetic Cylinder Sensors Tie rod cylinder

MZZ1-03VPS-AU0



Model Name > [MZZ1-03VPS-AU0](#)
Part No. > [7900606](#)



At a glance

- Mounting on tie-rods with rod diameters of up to 10 mm
- Cable or plug connection
- Industrial aluminum housing with integrated mounting claw
- IP 67 enclosure rating
- LED status indicator

Your benefits

- Simple and direct mounting onto tie-rod cylinders
- 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: | PNP |
| Output function: | NO |
| Electrical wiring: | DC 3-wire |
| Enclosure rating: | IP 67 ¹⁾ |
| Sensing face: | Front |
| Switching frequency typ.: | 5,000 Hz |
| Cylinder type: | Tie rod cylinder |

¹⁾ According to EN 60529

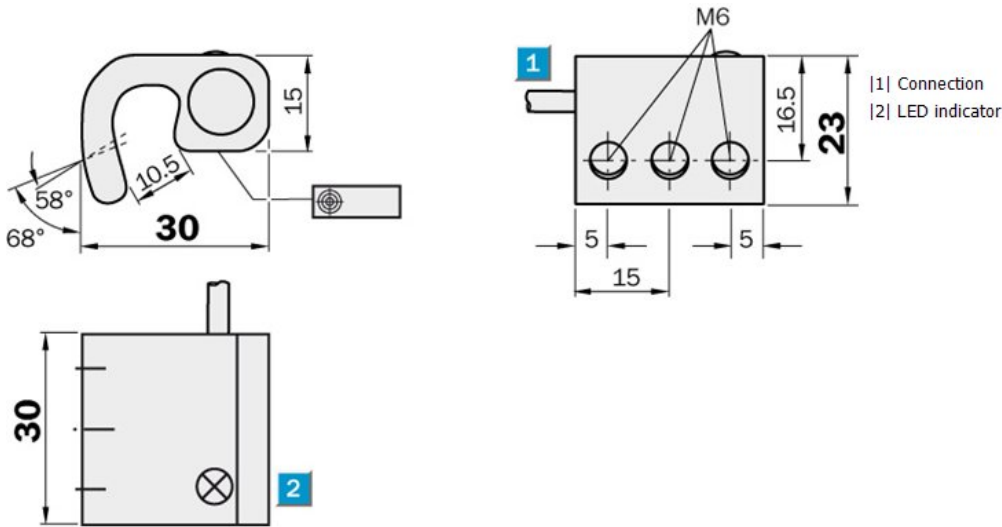
Mechanics/electronics

| | |
|---------------------------------|---------------------------|
| Connection type: | Cable, 3-wire, 2 m |
| 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 |
| Cable material: | PUR/PVC |
| Conductor cross-section: | 0.25 mm ² |
| Reverse polarity protection: | ✓ |
| Short-circuit protection: | ✓ |
| Housing material: | Metal, Aluminum |

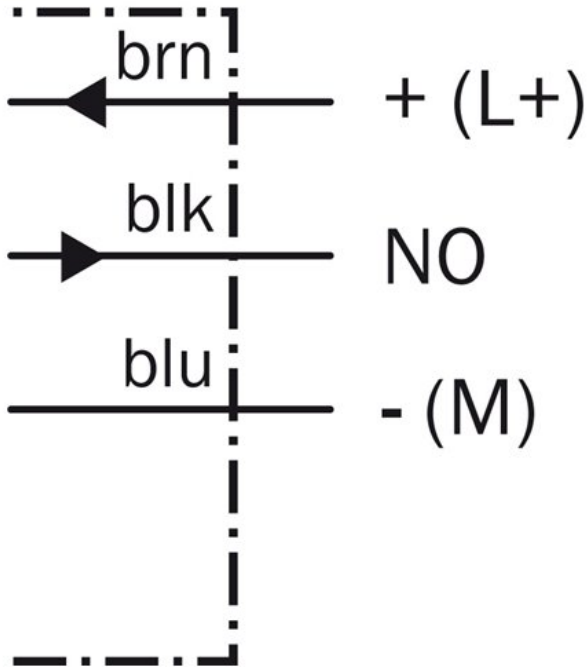
| | |
|-----------------------------------|--------------------------------|
| Sensing face material: | Plastic |
| Time delay before availability: | ≤ 2 ms |
| Ambient operating temperature: | -25 °C ... 75 °C |
| Power-up pulse protection: | ✓ |
| Magnetic field sensitivity, min.: | 3 mT |
| Dimensions (W x H x D): | 30 mm |
| Shock/vibration: | 30 g, 11 ms/10 ... 55 Hz, 1 mm |

1) Without load 2) At I_a max 3) U_b and T_a constant

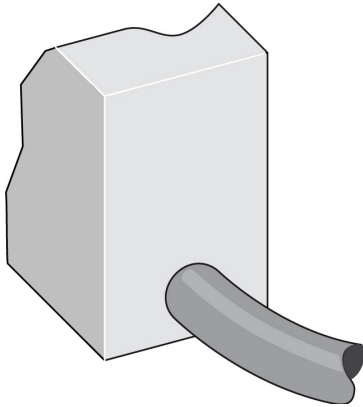
Dimensional drawing



Connection diagram



Connection type



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