



Magnetic Cylinder Sensors Tie rod cylinder

MZZ1-03V-N-AW0



Model Name > [MZZ1-03V-N-AW0](#)
Part No. > [7901323](#)



At a glance

- Classification TÜV 99 ATEX 1398 EX II 2 G Ex ia IIC T6 Ta
- Corresponds to Category 2G
- Switching output: EN 60 947-5-6 (NAMUR)
- Mounting on tie-rods with rod diameters of up to 10 mm
- IP 67 enclosure rating
- Industrial aluminum design with integrated mounting claw
- LED status indicator
- Operating temperature from -20 to 70° C

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

Switching frequency typ.:	5,000 Hz
Output type:	NAMUR
Electrical wiring:	DC 2-wire
Sensing face:	Front
Cylinder type:	Tie rod cylinder
Enclosure rating:	IP 67 ¹⁾

¹⁾ According to EN 60529

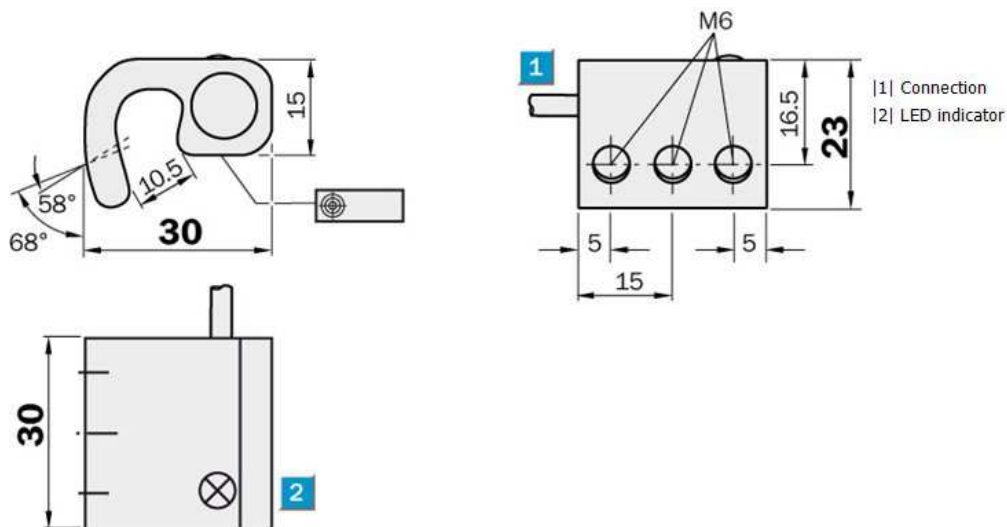
Mechanics/electronics

Electrical connection:	Cable, 2-wire, 2 m
Dimensions (W x H x D):	30 mm
Supply voltage:	5 V DC ... 25 V DC
EMC:	According to EN 60947-5-6
Cable material:	PVC
Conductor cross-section:	0.34 mm ²
Reverse polarity protection:	✓
Short-circuit protection:	✓
Housing material:	Metal, Aluminum
Sensing face material:	Plastic

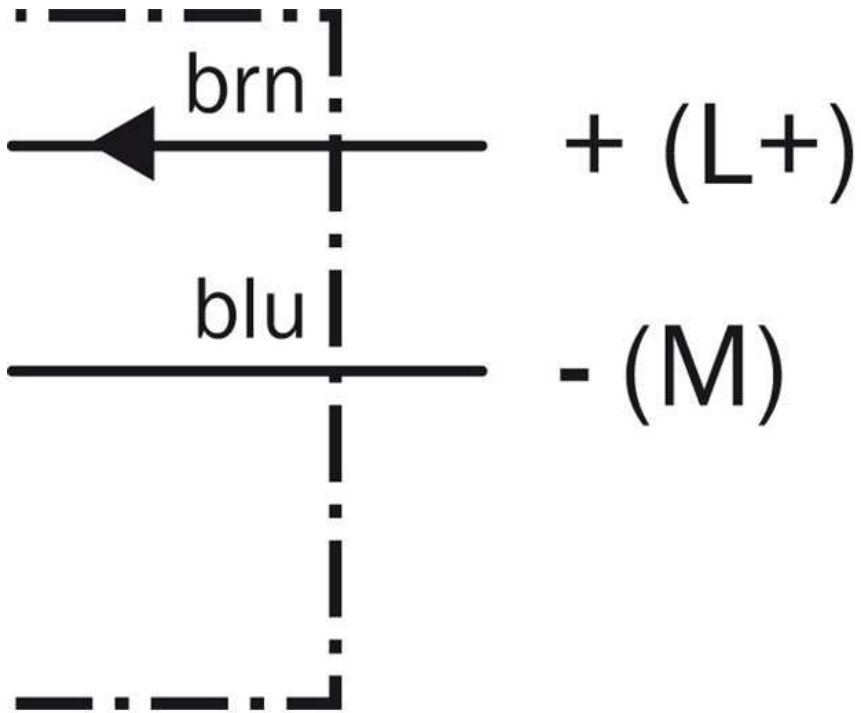
Power-up pulse protection:	-
Time delay before availability:	≤ 2 ms
Magnetic field sensitivity, min.:	3 mT
Repeatability:	≤ 0.1 mm ¹⁾
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient temperature operation:	-25 °C ... 70 °C
Hazardous area category:	2G

¹⁾ Ub and Ta constant

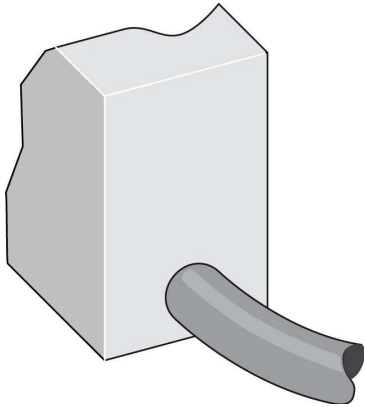
Dimensional drawing



Connection diagram



Connection type



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