

MZZ1-03VPS-AU0

MZZ1

TIE ROD CYLINDER

SICK
Sensor Intelligence.

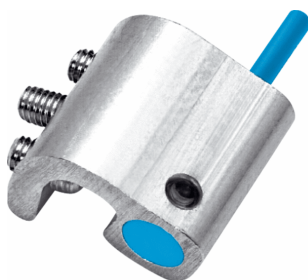


Illustration may differ



Ordering information

Type	Part no.
MZZ1-03VPS-AU0	7900606

Other models and accessories → www.sick.com/MZZ1

Detailed technical data

Features

Cylinder type	Tie rod cylinder
Switching output	PNP
Switching frequency	5,000 Hz
Output function	NO
Electrical wiring	DC 3-wire
Enclosure rating	IP67 ¹⁾
Sensing face	Front

¹⁾ According to EN 60529.

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Power consumption	10 mA ¹⁾
Voltage drop	≤ 1.5 V ²⁾
Continuous current I_a	≤ 300 mA
Time delay before availability	≤ 2 ms
Dimensions (W x H x D)	30 mm
Response sensitivity, typ.	3 mT
Reproducibility	≤ 0.1 mm ³⁾
Reverse polarity protection	✓
Short-circuit protection	✓
Power-up pulse protection	✓
Ambient operating temperature	-25 °C ... +75 °C
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
EMC	According to EN 60947-5-2
Housing material	Metal, Aluminum

¹⁾ Without load.

²⁾ At I_a max.

³⁾ U_b and T_a constant.

Sensing face material	Plastic, Plastic
Connection type	Cable, 3-wire, 2 m
Cable material	PUR/PVC
Conductor cross-section	0.25 mm²

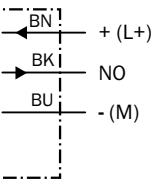
- 1) Without load.
- 2) At I_a max.
- 3) U_b and T_a constant.

Classifications

ECI@ss 5.0	27270104
ECI@ss 5.1.4	27270104
ECI@ss 6.0	27270104
ECI@ss 6.2	27270104
ECI@ss 7.0	27270104
ECI@ss 8.0	27270104
ECI@ss 8.1	27270104
ECI@ss 9.0	27270104
ETIM 5.0	EC002544
ETIM 6.0	EC002544
UNSPSC 16.0901	39122230

Connection diagram

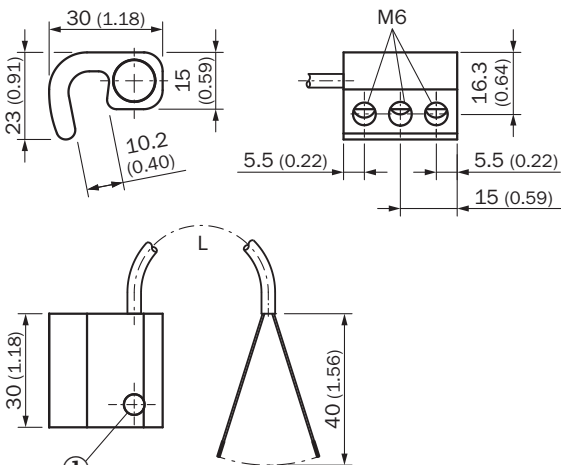
Cd-001



Functional principle



Dimensional drawing (Dimensions in mm (inch))



① Indication LED

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com