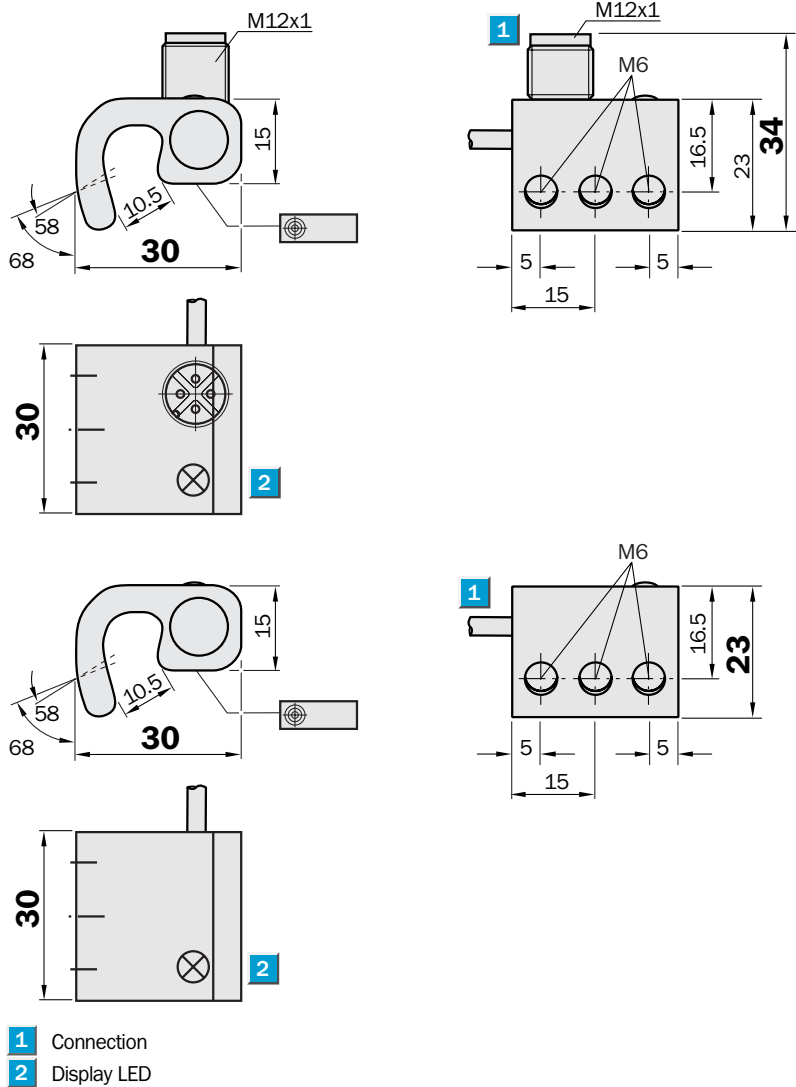


for tie-rod cylinders
Magnetic cylinder sensor

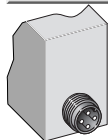
- Mounting of tie-rods with max. rod diameter of 10 mm
- NAMUR to EN 60 947-5-6
- High repeat accuracy
- Solid aluminium construction with integrated mounting claw
- Classification TÜV 99 ATEX 1398
 $\text{Ex II 2G EEx ib IIC T6}$
- LED status indicator

Dimensional drawing

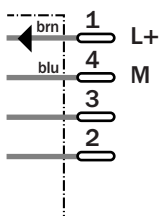


Connection type

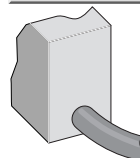
MZZ1-03V-N-ACO



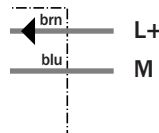
M12, 4-pin



MZZ1-03V-N-AWO



2 x 0.34 mm²



See chapter Accessories

Connector, M12, 4-pin

Switching units

Technical specifications		MZZ1-03V-	N-ACO	N-AWO										
Sensing face	Front													
Electrical configuration	NAMUR 2-wire													
Supply voltage V_s	DC 5 ... 25 V													
Nominal voltage V_n	DC 8.2 V													
Response sensitivity	≤ 3 mT													
Ripple U_{pp}	$\leq 5\%$ ¹⁾													
Power consumption, attenuated	≥ 2.5 mA													
Power consumption, unattenuated	≤ 1 mA													
Internal capacitance	≤ 15 nF													
Internal inductance	≤ 35 μ H													
Cable resistance	≤ 50 Ohm													
Time delay before availability t_v	≤ 2 ms													
Hysteresis H, of s_r	≤ 1 mm													
Repeatability R	≤ 0.1 mm (U_b and T_a constant)													
Temperature drift, of s_r	± 0.005 mm/ $^{\circ}$ C													
EMC	According to EN 60 947-5-6													
Switching output	Control current dependent on switching state ²⁾													
Output function	NAMUR													
Connection type	Connector, M12, 4-pin													
	Cable, PVC, 2 m													
Enclosure rating	IP 67 ³⁾													
Max. switching frequency	5,000 Hz													
short-circuit protected	✓													
Reverse polarity protected	✓													
Shock/vibration stress	30 g, 11 ms/10 ... 55 Hz, 1 mm													
Ambient temperature T_a	-25 $^{\circ}$ C ... +70 $^{\circ}$ C													
Housing material	Aluminium, plastic													

¹⁾ of U_b ²⁾ according to NAMUR EN 60947-5-6³⁾ according to EN 60529

Max. data for connecting isolating unit EN 2 Ex

or other approved isolating amplifier:

Short circuit current I_{Kmax}	30 mA
No load voltage U_0	16 V
Power loss P_{max}	75 mW

Ordering information

Type	Order no.
MZZ1-03V-N-ACO	7 901 324
MZZ1-03V-N-AWO	7 901 323