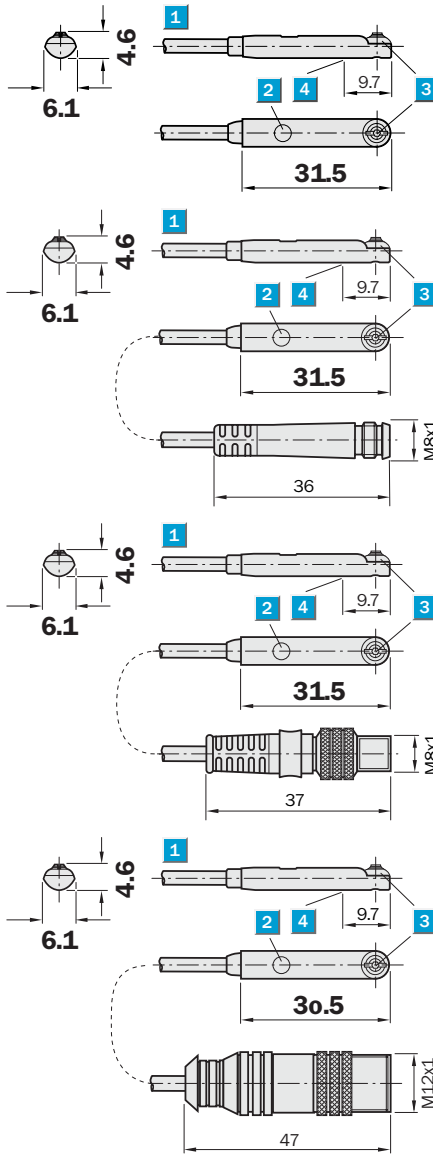


for T-slot cylinders
Magnetic cylinder sensor

- With new ASIC for maximum switching accuracy
- Mountable from the top
- For all common used T-slot cylinder
- Plastic housing with nickel silver bushing and hexagon socket/slotted screw
- LED function indicator
- Enclosure rating IP 68, IP 69K
- ATEX 3D / 3G



Dimensional drawing

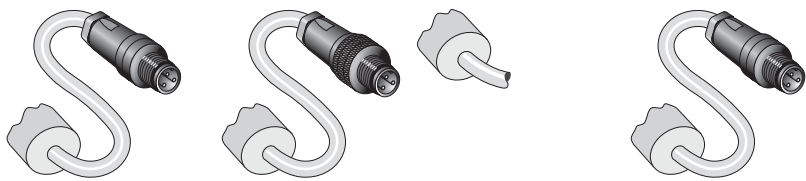


- 1 Connection
- 2 Display LED
- 3 Mounting screw
- 4 Position sensor element

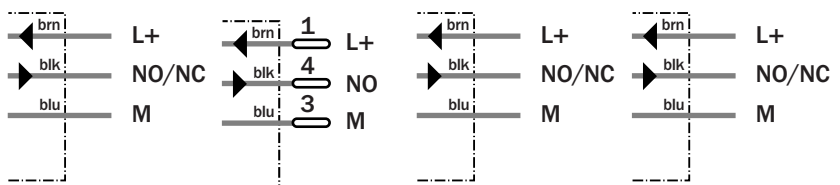


Connection type

MZT6-03VPS-KPX	MZT6-03VPS-KRO	MZT6-03VPO-KWD	MZT6-03VPS-KQX
MZT6-03VPS-KPO		MZT6-03VPS-KWB	MZT6-03VPS-KQO
		MZT6-03VPS-KWD	
		MZT6-03VPS-KWX	
		MZT6-03VPS-KWO	



M8, 3-pin M8, 3-pin, w. kn. scr. 3 x 0.14 mm² M12, 3-pin



Accessories

Connector, M12, 4-pin
Connector, M8, 3-pin
Mounting systems

Technical specifications		MZT6-	03VPO -KWD	03VPS -KPX	03VPS -KPO	03VPS -KQX	03VPS -KQO	03VPS -KRO	03VPS -KWB	03VPS -KWD	03VPS -KWX	03VPS -KWO
Sensing face	Front											
Electrical configuration	DC 3-wire											
Supply voltage V_s	DC 10 ... 30 V											
	DC 18 ... 30 V											
Response sensitivity	2.6 mT											
Overrun distance typ.	3 mm											
Ripple U_{pp}	≤ 10 %											
Voltage drop U_d	≤ 2.2 V											
Power consumption	≤ 10 mA ¹⁾											
Continuous current I_a	≤ 200 mA											
	≤ 70 mA											
Hysteresis H typ.	> 0.5 mT											
Repeatability R	≤ 0.1 mT (U_b and T_a constant)											
EMC	According to EN 60947-5-2											
Switching output	PNP											
Output function	Normally closed											
	Normally open											
Connection type	Cable, PVC, 10 m											
	Cable with plug, M8, 3-pin, PUR, 0.3 m											
	Cable with plug, M12, 3-pin, PUR, 0.22 m											
	Cable with plug, M12, 3-pin, PUR, 0.3 m											
	Cable with plug, M8, 3-pin, w. knurled screws, PUR, 0.5 m											
	Cable, PVC, 5 m											
	Cable, PVC, 2 m											
Enclosure rating	IP68, IP 69K ²⁾											
	IP 68											
Approval for ATEX-zone	3G ³⁾											
	3G / 3D ⁴⁾											
Max. switching frequency	1,000 Hz											
Wire-break protection	✓											
Short-circuit protection	✓ ⁵⁾											
Reverse polarity protection	✓											
Power-up pulse suppression	✓											
Shock/vibration stress	30 g, 11 ms/10 ... 55 Hz, 1 mm											
Ambient temperature T_a	-30 °C ... +80 °C											
	-20 °C ... +45 °C											
Housing material	Plastic											

¹⁾ without load

²⁾ According to DIN 40050 part 9

³⁾ Ex II 3G EEx nA II T4 X

⁴⁾ Ex II 3G EEx nA II T4 X/Ex II 3D T135°C IP 67

⁵⁾ (pulsed)

Ordering information

Type	Part Number
MZT6-03VPO-KWD	1 029 639
MZT6-03VPS-KPX	1 028 629
MZT6-03VPS-KPO	1 023 971
MZT6-03VPS-KQX	1 029 161
MZT6-03VPS-KQO	1 025 550
MZT6-03VPS-KRO	1 023 972
MZT6-03VPS-KWB	1 025 809
MZT6-03VPS-KWD	1 026 246
MZT6-03VPS-KWX	1 025 827
MZT6-03VPS-KWO	1 023 970