

Technical specifications		MZT6-	03VPS -KPO	03VPO -KWD	03VPS -KWD	03VPS -KQO	03VPS -KRO	03VPS -KW0	03VPS -KWx	03VPS -KQX	03VPS -KPX	
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}	$\leq 10\%$											
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 open											
	Normally closed											
Connection type	Cable with plug, M8, 3-pin, PUR, 0.3 m											
	Cable, PVC, 10 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, 2 m											
	Cable with plug, M12, 3-pin, PUR, 0.22 m											
Enclosure rating	IP 68											
	IP68, IP 69K ²⁾											
Approval for ATEX-zone	3G / 3D ³⁾											
	3G 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/Ex II 3D T135°C IP 67 ⁵⁾ (pulsed)

⁴⁾ Ex II 3G EEx nA II T4 X

Ordering information

Type	Order no.
MZT6-03VPS-KPO	1 023 971
MZT6-03VPO-KWD	1 029 639
MZT6-03VPS-KWD	1 026 246
MZT6-03VPS-KQO	1 025 550
MZT6-03VPS-KRO	1 023 972
MZT6-03VPS-KW0	1 023 970
MZT6-03VPS-KWx	1 025 827
MZT6-03VPS-KQX	1 029 161
MZT6-03VPS-KPX	1 028 629