

Technical specifications		MZT1-	03VNS -KPO	03VPS -KRO	03VPS -KPO	03VNS -KJU	03VPS -KQO	03VPS -KUB	03VPS -KWO			
Sensing face	Front											
Electrical configuration	DC 3-wire											
Supply voltage $V_s$	DC 10 ... 30 V											
Response sensitivity	$\leq 2.8$ mT											
Ripple $U_{pp}$	$\leq 10$ % <sup>1)</sup>											
Voltage drop $U_d$	$\leq 2$ V <sup>2)</sup>											
Power consumption	$\leq 10$ mA <sup>3)</sup>											
Continuous current $I_a$	$\leq 100$ mA											
Time delay before availability $t_v$	$\leq 2$ ms											
Hysteresis $H$ , of $s_v$	$\leq 1.5$ mm											
Repeatability $R$	$\leq 0.1$ mT ( $I_b$ and $T_a$ constant)											
EMC	According to EN 60947-5-2											
Switching output	NPN											
	PNP											
Output function	Normally open											
Connection type	Cable with plug, M8, 3-pin, PUR, 0.23 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, 0.3 m											
	Cable, PVC, 5 m											
Enclosure rating	IP 67 <sup>4)</sup>											
Max. switching frequency	5,000 Hz											
Wire-break protection	✓											
Short-circuit protection	✓ <sup>5)</sup>											
Reverse polarity protection	✓											
Power-up pulse suppression	✓											
Shock/vibration stress	30 g, 11 ms/10 ... 55 Hz, 1 mm											
Ambient temperature $T_a$	-25 °C ... +75 °C											
Housing material	Plastic											

<sup>1)</sup> of  $I_b$ <sup>2)</sup> at  $I_b$  max<sup>3)</sup> without load<sup>4)</sup> according to EN 60529  
<sup>5)</sup> (pulsed)**Ordering information**

Type	Order no.
MZT1-03VNS-KPO	1 017 851
MZT1-03VPS-KRO	1 019 005
MZT1-03VPS-KPO	1 016 910
MZT1-03VNS-KJU	1 023 009
MZT1-03VPS-KQO	1 022 188
MZT1-03VPS-KUB	1 018 999
MZT1-03VPS-KWO	1 016 809