

Technical specifications		MZN1-	06VPS -KPO	06VPS -KRD	06VPS -KUO								
Sensing face	Centre												
<b>Electrical configuration</b>	DC 3-wire												
<b>Supply voltage V<sub>s</sub></b>	DC 10 ... 30 V												
Ripple U <sub>pp</sub>	≤ 10 % <sup>1)</sup>												
Voltage drop U <sub>d</sub>	≤ 2.5 V												
Power consumption	≤ 8 mA <sup>2)</sup>												
<b>Continuous current I<sub>a</sub></b>	≤ 70 mA												
Time delay before availability t <sub>v</sub>	≤ 0.1 ms												
Hysteresis H typ.	≤ 1.5 mT												
Repeatability R	≤ 0.1 mm (U <sub>b</sub> and T <sub>a</sub> constant)												
EMC	According to EN 60947-5-2												
<b>Switching output</b>	PNP												
<b>Output function</b>	Normally open												
<b>Connection type</b>	Cable with plug, M8, 3-pin, PUR, 0.24 m												
	Cable with plug, M8, 3-pin, w. knurled screws, PUR, 0.5 m												
	Cable, PUR, 2 m												
<b>Enclosure rating</b>	IP 67 <sup>3)</sup>												
Max. switching frequency	1,000 Hz												
<b>Short-circuit protection</b>	✓ <sup>4)</sup>												
<b>Reverse polarity protection</b>	✓												
Shock/vibration stress	30 g, 11 ms/10 ... 55 Hz, 1 mm												
Ambient temperature T <sub>a</sub>	-25 °C ... +75 °C												
<b>Housing material</b>	PA												

<sup>1)</sup> of U<sub>b</sub>

<sup>2)</sup> without load

<sup>3)</sup> according to EN 40050

<sup>4)</sup> (pulsed)

Ordering information	
Type	Order no.
MZN1-06VPS-KPO	1 022 054
MZN1-06VPS-KRD	1 023 985
MZN1-06VPS-KUO	1 022 053