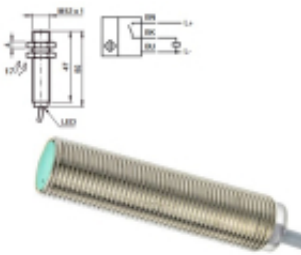


Link do produktu: <https://automatyka.mjmkielce.pl/czujnik-indukcyjny-m12-nbb4-12gm50-e2-pnp-no-4mm-p-55293.html>

## CZUJNIK INDUKCYJNY M12 NBB4-12GM50-E2 PNP NO 4mm

Cena	<b>399,00 zł</b>
Numer katalogowy	<b>25281</b>
Kod EAN	<b>25281</b>

### Opis produktu

### Dane techniczne NBB4-12GM50-E2

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance		4 mm
Installation		flush
Output polarity		DC
Assured operating distance		0 ... 3.24 mm
Reduction factor $r_{Al}$		0.39
Reduction factor $r_{Cu}$		0.35
Reduction factor $r_{304}$		0.75
Reduction factor $r_{Brass}$		0.49
Output type		3-wire
Nominal ratings		
Operating voltage		10 ... 30 V
Switching frequency		0 ... 800 Hz
Hysteresis		typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop		$\leq 3$ V
Operating current		0 ... 200 mA
Off-state current		0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current		$\leq 15$ mA
Time delay before availability		$\leq 5$ ms
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF <sub>d</sub>		1820 a
Mission Time (T <sub>M</sub> )		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity	Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Cable version		3 x 0.14 mm <sup>2</sup>
Core cross-section		0.14 mm <sup>2</sup>
Housing material		brass, nickel-plated

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Sensing face  
Degree of protection  
Cable

PBT  
IP67

Cable diameter  
Bending radius

3 mm + 0.3 mm  
> 10 x cable diameter