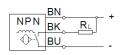
## proximity sensor SIEN-M12NB-NS-K-L-PA Part number: 538330

With cable, non-flush mounting



## **Data sheet**

Feature	Value	
Design	Round	
Conforms to standard	EN 60947-5-2	
Authorisation	RCM Mark	
	c UL us - Listed (OL)	
CE mark (see declaration of conformity)	to EU directive for EMC	
Materials note	Free of copper and PTFE	
Measuring principle	Inductive	
Nominal switching distance	4 mm	
Guaranteed switching distance	3.24 mm	
Reduction factors	Aluminium = 0.35 to 0.5	
	Stainless steel, St 18/8 = 0.6 to 1.0	
	Copper = 0.25 to 0.45	
	Brass = 0.35 to 0.5	
	Steel, St 37 = 1.0	
Ambient temperature	-25 70 °C	
Repetition accuracy	0.08 mm	
Switch output	NPN	
Switching element function	Normally open contact	
Hysteresis	0.12 0.6 mm	
Max. switching frequency, DC	2,000 Hz	
Max. output current	200 mA	
Voltage drop	<= 1.8 V	
Short circuit strength	Pulsing	
Operating voltage range DC	10 30 V	
Residual ripple	10 %	
Idle current	<= 15 mA	
Polarity protected	for all electrical connections	
Electrical connection	3-core	
	Cable	
Cable length	2.5 m	
Material cable sheath	PVC	
Material insulation	PVC	
Size	M12	
Mounting type	with lock nut	
Tightening torque	1 Nm	
Type of installation	not flush	
Product weight	113 g	
Material housing	PA-reinforced	
Operating status display	Yellow LED	
Ambient temperature with flexible cable installation	0 70 °C	
Guaranteed switching distance   Reduction factors   Ambient temperature   Repetition accuracy   Switch output   Switching element function   Hysteresis   Max. switching frequency, DC   Max. output current   Voltage drop   Short circuit strength   Operating voltage range DC   Residual ripple   Idle current   Polarity protected   Electrical connection   Cable length   Material cable sheath   Material insulation   Size   Mounting type   Tightening torque   Type of installation   Product weight   Material housing   Operating status display   Ambient temperature with flexible cable installation	IP65	
	IP67	
Corrosion resistance classification CRC	4 - Very high corrosion stress	



**FESTO**