

# Proximity sensor SIEN-M12NB-NS-K-L-PA

Part number: 538330

FESTO



## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Measuring principle	Inductive
Rated operating distance	4 mm
Assured operating distance	3.24 mm
Reduction factors	Aluminum = 0.35 - 0.5 Stainless steel St 18/8 = 0.6 - 1.0 Copper = 0.25 - 0.45 Brass = 0.35 - 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.08 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	0.12 mm...0.6 mm
Max. switching frequency DC	2000 Hz
Max. output current	200 mA
Voltage drop	1.8 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V...30 V
Residual ripple	10 %
Idle current	15 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material of cable sheath	PVC
Insulating sheath material	PVC
Size	M12
Type of mounting	With lock nut

<b>Feature</b>	<b>Value</b>
Tightening torque	1 Nm
Mounting type	Not flush
Product weight	113 g
Housing material	PA-reinforced
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	0 °C...70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Selection of additional sensor information	With standard switching distance
Electrical output	NPN
Selection of sensor version	Polyamide housing