

# proximity sensor SIEN-M12B-NS-S-L

Part number: 150401

FESTO

Inductive, with standard switching distance.



## Data sheet

Feature	Value
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
Nominal switching distance	2 mm
Guaranteed switching distance	1.62 mm
Reduction factors	Aluminium = 0.4 Stainless steel, St 18/8 = 0.6 Copper = 0.3 Brass = 0.5 Steel, St 37 = 1.0
Ambient temperature	-25 ... 70 °C
Repetition accuracy for constant conditions	0,1 mm
Switch output	NPN
Switching element function	Normally open contact
Hysteresis	≤ 0.18 mm
Max. switching frequency	3,000 Hz
Max. output current	200 mA
Voltage drop	≤ 2 V
Inductive protective circuit	Integrated
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	± 10%
Idle current	≤ 10 mA
Polarity protected	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M12x1
Mounting type	with lock nut
Type of installation	flush
Product weight	30 g
Material housing	Brass PBTP Nickel plated
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress