

# proximity sensor SIEF-M12NB-NS-S-L

Part number: 538313

FESTO

With plug, semi-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	8 mm
Guaranteed switching distance	6.48 mm
Reduction factors	Aluminium = 1.0 Stainless steel, St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel, St 37 = 1.0
Ambient temperature	-30 ... 85 °C
Repetition accuracy	0.16 mm
Switch output	NPN
Switching element function	Normally open contact
Hysteresis	0.24 ... 1.2 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-pin Fixcon M12x1 Plug
Size	M12
Mounting type	with lock nut
Tightening torque	10 Nm
Type of installation	Semi-flush
Product weight	22 g
Material housing	Brass PBT Chromed-plated
Operating status display	Yellow LED
Protection class	IP67
Interference immunity to magnetic fields	DC and AC magnetic field
Corrosion resistance classification CRC	2 - Moderate corrosion stress