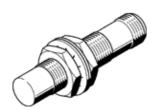
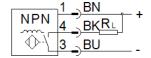
proximity sensor SIEF-M12NB-NS-S-L Part number: 538313

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