proximity sensor
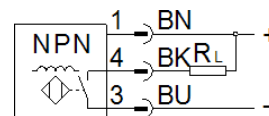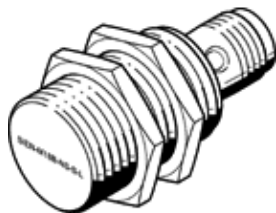# SIEN-M18B-NS-S-L

Part number: 150417

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 Conforms to RoHS
Nominal switching distance	5 mm
Guaranteed switching distance	4.05 mm
Reduction factors	Aluminium = 0.4 Stainless steel, St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel, St 37 = 1.0
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.25 mm
Switch output	NPN
Switching element function	Normally open contact
Hysteresis	<= 0.55 mm
Max. switching frequency	2,000 Hz
Max. output current	200 mA
Voltage drop	2 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	+/- 20 %
Idle current	<= 10 mA
Polarity protected	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M18x1
Mounting type	with lock nut
Tightening torque	20 Nm
Type of installation	flush
Product weight	43 g
Material housing	Brass PBTP Nickel plated
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP67
Degree of contamination	3