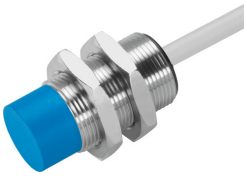
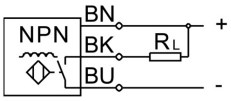
Proximity sensor
SIEN-M18NB-NS-K-L

Part number: 150424

FESTO





Data sheet

Feature	Value
Type code	SIEN
Conforms to standard	EN 60947-5-2
Symbol	00991704
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE RoHS-compliant
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminum = 0.5 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.4 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	≤0.88 mm
Max. switching frequency	2000 Hz
Max. output current	200 mA
Voltage drop	≤2 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	+/- 20 %
Idle current	≤10 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material of cable sheath	TPE-U(PUR)
Size	M18x1
Type of mounting	With lock nut
Tightening torque	20 Nm
Mounting type	Not flush
Product weight	105 g

Feature	Value
Housing material	Brass PBTP Nickel-plated
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67
Surge resistance	0.8 kV
Contamination level	3
Selection of additional sensor information	With standard switching distance
Electrical output	NPN
Selection of sensor version	Standard