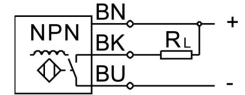


Proximity sensor SIEH-3B-NS-K-L

Part number: 538266

FESTO



Data sheet

Feature	Value
Type code	SIEH
Design	Round
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
Measuring principle	Inductive
Rated operating distance	1 mm
Assured operating distance	0.81 mm
Reduction factors	Aluminum = 0.5 Stainless steel St 18/8 = 0.8 Copper = 0.45 Brass = 0.6 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.02 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	≤0.12 mm
On time	0.02 ms
Max. switching frequency DC	3000 Hz
Max. output current	100 mA
Voltage drop	≤2 V
Inductive protective circuit	Installed Output current < 100 mA and switching frequency < 10 Hz
Residual current	≤0.1 mA
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)

Feature	Value
Insulating sheath material	PVC
Size	3 mm
Type of mounting	Clamped
Mounting type	Flush
Product weight	18 g
Housing material	High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Selection of additional sensor information	With increased switching distance
Electrical output	NPN
Selection of sensor version	Standard