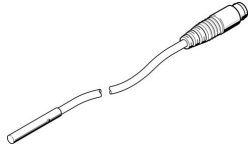


Proximity sensor SIEH-3B-NS-S-L

Part number: 538265

FESTO



General operating condition

Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991703
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	as per UK instructions for EMC (UK-E) as per UK RoHS instructions (UK-R)
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 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3

Feature	Value
Electrical connection 1, type of mounting	Snap-locking Screw-type lock not rotatable
Electrical connection 1, type of mounting	Compatible with latching lock Compatible with screw lock rotatable
Cable length	0.15 m
Material of cable sheath	TPE-U(PUR)
Insulating sheath material	PVC
Size	3 mm
Type of mounting	Clamped
Mounting type	Flush
Product weight	4 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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	With increased switching distance
Electrical output	NPN
Selection of sensor version	Standard