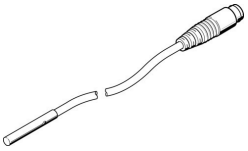
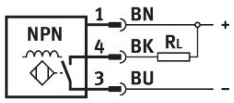
Proximity sensor
SIEH-3B-NS-S-L

Part number: 538265





Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
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)	according to UK regulations for EMC (UK-E) according to UK RoHS regulations (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

Feature	Value
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
Electrical connection 1, type of mounting	Snap-locking Screw-type lock not rotatable Compatible with snap-locking Compatible with rotatable screw-type lock
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	Yellow LED
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