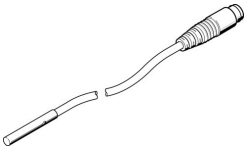
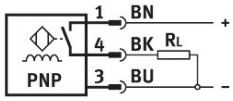
Proximity sensor
SIEH-3B-PS-S-L

Part number: 538263





Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	according to UK instructions for EMC (UK-E) according to UK RoHS instructions (UK-R)
Measuring principle	Inductive
Rated operating distance	1 mm
Assured operating distance	0.81 mm
Reduction factors	Aluminium = 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	PNP
Switching element function	N/O contact
Hysteresis	0.12 mm
Switch-on time	0.02 ms
Max. switching frequency DC	3000 Hz
Max. output current	100 mA
Voltage drop	2 V
Inductive protective circuit	Integrated Output current < 100 mA And switching frequency < 10 Hz
Off-state current	0.1 mA
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Residual ripple	20%
No-load supply current	10 mA
Reverse polarity protection	For all electrical connections

Feature	Value
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Cable length	0.15 m
Material cable sheath	TPE-U(PUR)
Material insulating sheath	PVC
Size	3 mm
Type of mounting	Clamped
Mounting type	Flush
Product weight	4 g
Material housing	High-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with moving cable	-5 °C...70 °C
Degree of protection	IP67
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Additional information for sensor selection	with increased sensing distance
Electrical output	PNP
Selection of sensor design	Standard