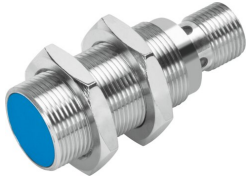


Proximity sensor SIEH-M18B-NS-S-L

Part number: 150457

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
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)	according to UK RoHS regulations (UK-R)
Note on materials	RoHS-compliant
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminum = 0.35 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 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	1500 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 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	not rotatable
Electrical connection 1, type of mounting	Compatible with rotatable screw-type lock
Size	M18
Type of mounting	With lock nut
Tightening torque	20 Nm
Mounting type	Flush

Feature	Value
Product weight	43 g
Housing material	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
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3
Selection of additional sensor information	With increased switching distance
Electrical output	NPN
Selection of sensor version	Standard