

# Proximity sensor SIEN-6,5B-NS-S-L

Part number: 150377

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)
Rated operating distance	1.5 mm
Assured operating distance	1.21 mm
Reduction factors	Aluminum = 0.25 Stainless steel St 18/8 = 0.7 Copper = 0.2 Brass = 0.35 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy under constant conditions	0.07 mm
Switching output	NPN
Switching element function	N.O. contact
Hysteresis	≤0.07 mm
Max. switching frequency	5000 Hz
Max. output current	200 mA
Voltage drop	≤2 V
Inductive protective circuit	Installed
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	±10 %
Idle current	≤10 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	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	not rotatable
Electrical connection 1, type of mounting	Compatible with snap-locking Compatible with rotatable screw-type lock
Size	6.5 mm
Type of mounting	Clamped
Mounting type	Flush
Product weight	4 g

<b>Feature</b>	<b>Value</b>
Housing material	high-alloy stainless steel Chrome-plated
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	With standard switching distance
Electrical output	NPN
Selection of sensor version	Standard