

# Proximity Sensor SIEH-M12B-PS-S-L

Part number: 150451

FESTO

Inductive, for large switching distances.



## Data sheet

Feature	values
Conforms to standard	EN 60947-5-2
Authorization	C-Tick c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Materials note	Free of copper and PTFE
Nominal switching distance	4 mm
Guaranteed switching distance	3.24 mm
Reduction factors	Aluminum = 0.4 Stainless steel, St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel, St 37 = 1.0
Ambient temperature	-25 ... 70 °C
Repetition accuracy for constant conditions	0,2 mm
Switch output	PNP
Switching element function	Normally open contact
Hysteresis	<= 0.36 mm
Max. switching frequency	2,500 Hz
Max. output current	200 mA
Voltage drop	<= 2 V
Inductive protective circuit	Integrated
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	± 10%
Idle current	<= 10 mA
Polarity protected	for all electrical connections
Electrical connection	Plug M12x1 3-pin
Size	M12
Mounting type	with lock nut
Type of installation	flush
Product weight	30 g
Materials information, housing	Brass PBTP Nickel plated
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress