

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

Part number: 538263

FESTO

With plug, flush mounting



Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Measuring principle	Inductive
Nominal switching distance	1 mm
Guaranteed switching 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 ... 70 °C
Repetition accuracy	0.02 mm
Switch output	PNP
Switching element function	Normally open contact
Hysteresis	≤ 0.12 mm
Switch-on time	0.02 ms
Max. switching frequency, DC	3,000 Hz
Max. output current	100 mA
Voltage drop	≤ 2 V
Inductive protective circuit	Integrated output current < 100mA and switching frequency < 10Hz
Residual current	≤ 0.1 mA
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	20 %
Idle current	≤ 10 mA
Polarity protected	for all electrical connections
Electrical connection	3-pin Cable with plug M8x1
Cable length	0.15 m
Material cable sheath	TPE-U(PUR)
Material insulation	PVC
Size	3 mm
Mounting type	Clamped
Type of installation	flush
Product weight	4 g
Material housing	High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP67
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L