

proximity sensor SIEH-M12B-NS-S-L-CR

Part number: 538253

FESTO

Inductive, for large switching distances.



Data sheet

Feature	Value
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
Materials note	Free of copper and PTFE
Nominal switching distance	6 mm
Guaranteed switching distance	4.86 mm
Reduction factors	Aluminium = 1.0 stainless steel 1 mm thick = 0.45 stainless steel 2 mm thick = 0.9 copper = 0.85 brass = 1.3 Steel, St 37 = 1.0
Ambient temperature	-25 ... 70 °C
Switch output	NPN
Switching element function	Normally open contact
Reproducibility, switching value FS	0.3 mm
Hysteresis	≤ 0.73 mm
Max. switching frequency	600 Hz
Max. output current	200 mA
Voltage drop	≤ 2 V
Inductive protective circuit	Integrated output current < 100mA and switching frequency < 10Hz
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	20 %
Idle current	≤ 17 mA
Polarity protected	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M12
Mounting type	with lock nut
Type of installation	flush
Product weight	28 g
Material housing	High alloy steel
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP67 IP69K
Sensor assembly pressure resistance	80 bar
Corrosion resistance classification CRC	2 - Moderate corrosion stress