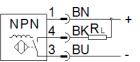
proximity sensor SIEH-M12B-NS-S-L-CR Part number: 538253

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 Type of installation	with lock nut flush
Product weight	
Material housing	28 g
	High alloy steel
Operating status display	Yellow LED -5 70 °C
Ambient temperature with flexible cable installation Protection class	
	IP67
	IP69K
Sensor assembly pressure resistance	80 bar
Corrosion resistance classification CRC	2 - Moderate corrosion stress



FESTO