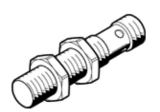
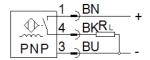
proximity sensor SIEH-M12B-PS-S-L-CR Part number: 538251

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	
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	PNP	
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	
oltage drop nductive 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	< 12 mA	
Polarity protected	for all electrical connections	
olarity protected ectrical 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	
PWIS conformity	VDMA24364-B2-L	