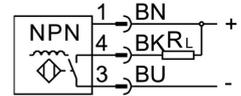


Proximity sensor SIEH-M18B-NS-S-L-CR

Part number: 538257

FESTO



Data sheet

Feature	Value
Type code	SIEH
Conforms to standard	EN 60947-5-2
Symbol	00991703
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE
Rated operating distance	10 mm
Assured operating distance	8.1 mm
Reduction factors	Aluminum = 1.0 Stainless steel, 1 mm thick = 0.4 Stainless steel, 2 mm thick = 0.8 Copper = 0.85 Brass = 1.3 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Switching output	NPN
Switching element function	N/O contact
Reproducibility, switching value FS	0.5 mm
Hysteresis	≤1.22 mm
Max. switching frequency	200 Hz
Max. output current	200 mA
Voltage drop	≤2 V
Inductive protective circuit	Installed Output current < 100 mA and switching frequency < 10 Hz
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	20 %
Idle current	≤17 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M18
Type of mounting	With lock nut
Mounting type	Flush
Product weight	53 g

Feature	Value
Housing material	High-alloy steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67 IP69K
Resistance to sensor fitting pressure	60 bar
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Selection of additional sensor information	With increased switching distance
Electrical output	NPN
Selection of sensor version	Fully stainless steel housing