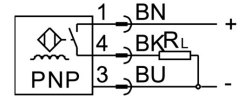


Proximity sensor SIEN-M8B-PS-S-L

Part number: 150387

FESTO



Data sheet

Feature	Value
Type code	SIEN
Conforms to standard	EN 60947-5-2
Symbol	00991701
Certification	c UL us - Listed (OL) RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	RoHS-compliant Free of copper and PTFE
Rated operating distance	1.5 mm
Assured operating distance	1.21 mm
Reduction factors	Steel St 37 = 1.0 Stainless steel St 18/8 = 0.7 Copper = 0.2 Brass = 0.35 Aluminum = 0.25
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy under constant conditions	0.07 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	<0.07 mm
Max. switching frequency	5000 Hz
Max. output current	200 mA
Voltage drop	<2 V
Inductive protective circuit	Installed
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	± 10%
Idle current	<10 mA
Reverse polarity protection	for all electrical connections
Electrical connection	M8x1 3-pin Plug
Size	M8x1
Type of mounting	With lock nut
Mounting type	Flush
Product weight	18 g

Feature	Value
Housing material	Brass Chrome-plated High-alloy stainless steel PA
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67 IP65
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Selection of additional sensor information	With standard switching distance
Electrical output	PNP
Selection of sensor version	Standard