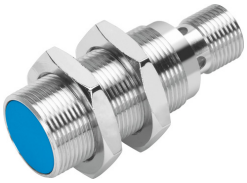
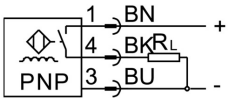
Proximity sensor
SIEN-M18B-PS-S-L

Part number: 150419





Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Symbol	00991701
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	RoHS-compliant
Rated operating distance	5 mm
Assured operating distance	4.05 mm
Reduction factors	Aluminum = 0.4 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.25 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	≤0.55 mm
Max. switching frequency	2000 Hz
Max. output current	200 mA
Voltage drop	2 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	+/- 20 %
Idle current	≤10 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M18x1
Type of mounting	With lock nut
Tightening torque	20 Nm
Mounting type	Flush
Product weight	43 g
Housing material	Brass PBTP Nickel-plated
Switching status indication	LED yellow

Feature	Value
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67
Contamination level	3
Selection of additional sensor information	With standard switching distance
Electrical output	PNP
Selection of sensor version	Standard