# Proximity sensor
SIEN-M30NB-PS-K-L

Part number: 150442
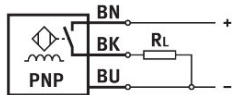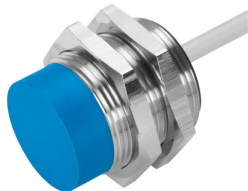
Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive
Note on materials	RoHS-compliant
Rated operating distance	15 mm
Assured operating distance	12.15 mm
Reduction factors	Aluminium = 0.5 Stainless steel St 18/8 = 0.85 Copper = 0.43 Brass = 0.53 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.75 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	1.65 mm
Max. switching frequency	700 Hz
Max. output current	200 mA
Voltage drop	2 V
Short circuit current rating	Pulsed
Operational voltage range DC	11 V...30 V
Residual ripple	+/- 20 %
No-load supply current	10 mA
Reverse polarity protection	For all electrical connections
Electrical connection	3-pin Cable
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Size	M30x1.5
Type of mounting	Via lock nut
Tightening torque	40 Nm
Mounting type	Not flush

Feature	Value
Product weight	150 g
Material housing	Brass PBTP Chrome-plated
Switching status indication	Yellow LED
Ambient temperature with moving cable	-5 ºC...70 ºC
Degree of protection	IP67
Immunity to surge	0.8 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Pollution degree	3
Additional information for sensor selection	with standard sensing distance
Electrical output	PNP
Selection of sensor design	Standard