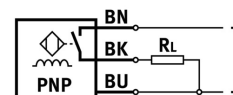


# Proximity sensor SIEN-M12NB-PS-K-L-PA

Part number: 538329

FESTO



General operating condition

## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991702
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive
Measuring principle	Inductive
Rated operating distance	4 mm
Assured operating distance	3.24 mm
Reduction factors	Aluminium = 0.35 - 0.5 Stainless steel St 18/8 = 0.6 - 1.0 Copper = 0.25 - 0.45 Brass = 0.35 - 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.08 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.12 mm ... 0.6 mm
Max. switching frequency DC	2000 Hz
Max. output current	200 mA
Voltage drop	≤1.8 V
Short circuit current rating	Pulsed
Operational voltage range DC	10 V ... 30 V
Residual ripple	10 %
No-load supply current	≤15 mA
Reverse polarity protection	For all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material cable sheath	PVC
Material insulating sheath	PVC
Size	M12
Type of mounting	Via lock nut
Tightening torque	1 Nm
Mounting type	Not flush
Product weight	113 g

Feature	Value
Material housing	PA-reinforced
Switching status indication	Yellow LED
Ambient temperature with moving cable	0 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class CRC	4 - Very high corrosion stress
Additional information for sensor selection	with standard sensing distance
Electrical output	PNP
Selection of sensor design	Polyamide housing