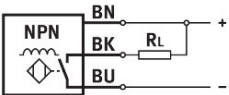


Proximity sensor

SIEN-M12B-NS-K-L-PA

Part number: 538324

FESTO



Data sheet

Feature	Value
Design	Round
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
Measuring principle	Inductive
Rated operating distance	2 mm
Assured operating distance	1.62 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	0.04 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	0.06 mm...0.3 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

Feature	Value
Tightening torque	1 Nm
Mounting type	Flush
Product weight	113 g
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	NPN
Selection of sensor design	Polyamide housing