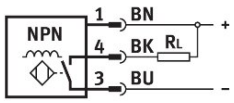
Proximity sensor
SIEF-M8NB-NS-S-L

Part number: 538309





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 To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK regulations for electrical equipment
Measuring principle	Inductive
Rated operating distance	4 mm
Assured operating distance	3.24 mm
Reduction factors	Aluminium = 1.0 Stainless steel St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel St 37 = 1.0
Ambient temperature	-30 °C...85 °C
Repetition accuracy	0.08 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	0.12 mm...0.6 mm
Max. switching frequency DC	2000 Hz
Max. output current	150 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-pin M8x1 Plugs

Feature	Value
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Size	M8
Type of mounting	Via lock nut
Tightening torque	10 Nm
Mounting type	Not flush
Product weight	19 g
Material housing	PA High-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP67
Immunity to magnetic fields	Magnetic direct and alternating field
Corrosion resistance class CRC	4 - Very high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Additional information for sensor selection	Reduction factor 1, resistant to magnetic fields
Electrical output	NPN
Selection of sensor design	Standard