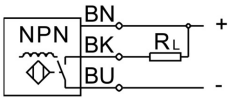
Proximity sensor
SIEN-M18NB-NS-K-L-PA

Part number: 538332





Data sheet

Feature	Value
Type code	SIEN
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991704
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE
Measuring principle	Inductive
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminum = 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	0.16 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	0.24 mm ... 1.2 mm
Max. switching frequency DC	1000 Hz
Max. output current	200 mA
Voltage drop	≤1.8 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	≤15 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material of cable sheath	PVC
Insulating sheath material	PVC
Size	M18
Type of mounting	With lock nut
Tightening torque	2 Nm

Feature	Value
Mounting type	Not flush
Product weight	127 g
Housing material	PA-reinforced
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	0 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Selection of additional sensor information	With standard switching distance
Electrical output	NPN
Selection of sensor version	Polyamide housing