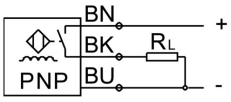
Proximity sensor
SIEN-M30NB-PS-K-L-PA

Part number: 538333





Data sheet

Feature	Value
Type code	SIEN
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991702
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	15 mm
Assured operating distance	12.15 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	0.3 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.45 mm ... 2.25 mm
Max. switching frequency DC	500 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	M30
Type of mounting	With lock nut
Tightening torque	5 Nm

Feature	Value
Mounting type	Not flush
Product weight	158 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	PNP
Selection of sensor version	Polyamide housing