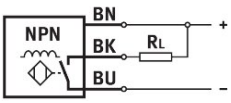
Proximity sensor
SIEN-4B-NS-K-L

Part number: 150360





Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	according to UK regulations for EMC (UK-E) according to UK RoHS regulations (UK-R)
Rated operating distance	0.8 mm
Assured operating distance	0.64 mm
Reduction factors	Aluminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 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
Max. switching frequency	3000 Hz
Max. switching frequency DC	3000 Hz
Max. output current	200 mA
Voltage drop	2 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V...30 V
Residual ripple	10%
Idle current	10 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Cable length	2.5 m
Material of cable sheath	TPE-U(PUR)
Size	4 mm

Feature	Value
Type of mounting	Clamped
Mounting type	Flush
Product weight	48 g
Housing material	high-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	With standard switching distance
Electrical output	NPN
Selection of sensor version	Standard