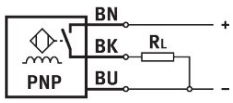
Proximity sensor
SIEN-M12B-PS-K-L

Part number: 150402





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	2 mm
Assured operating distance	1.62 mm
Reduction factors	Aluminum = 0.4 Stainless steel St 18/8 = 0.6 Copper = 0.3 Brass = 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy under constant conditions	0.1 mm
Switching output	PNP
Switching element function	N.O. contact
Hysteresis	0.18 mm
Max. switching frequency	3000 Hz
Max. output current	200 mA
Voltage drop	2 V
Inductive protective circuit	Installed
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)

Feature	Value
Size	M12x1
Type of mounting	With locknut
Mounting type	Flush
Product weight	110 g
Housing material	Brass PBTP Nickel-plated
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C...70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	With standard switching distance
Electrical output	PNP
Selection of sensor version	Standard