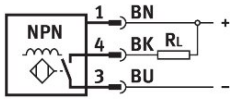
Proximity sensor
SIES-Q8B-NS-S-L

Part number: 178293





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)
Note on materials	RoHS compliant
Rated operating distance	1.5 mm
Assured operating distance	1.2 mm
Reduction factors	Aluminum = 0.45 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.55 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.07 mm
Switching output	NPN
Switching element function	N.O. contact
Max. switching frequency	3500 Hz
Max. switching frequency DC	1500 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	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock not rotatable

Feature	Value
	Compatible with snap-locking Compatible with rotatable screw-type lock
Size	8x8x59 mm
Type of mounting	With internal thread
Mounting type	Flush
Product weight	12 g
Housing material	Die-cast zinc Chrome-plated Nickel-plated
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	Special design
Electrical output	NPN
Selection of sensor version	Standard