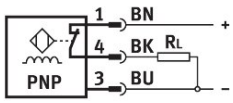
Proximity sensor
SIES-Q8B-PO-S-L

Part number: 174553





Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	according to UK instructions for EMC (UK-E) according to UK RoHS instructions (UK-R)
Note on materials	RoHS-compliant
Rated operating distance	1.5 mm
Assured operating distance	1.2 mm
Reduction factors	Aluminium = 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	PNP
Switching element function	N/C contact
Max. switching frequency	3500 Hz
Max. switching frequency DC	1500 Hz
Max. output current	200 mA
Voltage drop	2 V
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Residual ripple	10 %
No-load supply current	10 mA
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Not rotatable

Feature	Value
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Size	8x8x59 mm
Type of mounting	Via female thread
Mounting type	Flush
Product weight	12 g
Material housing	Die-cast zinc Chrome-plated Nickel-plated
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L
Additional information for sensor selection	Special design
Electrical output	PNP
Selection of sensor design	Standard