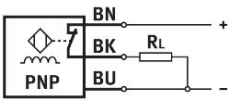
Proximity sensor
SIES-Q5B-PO-K-L

Part number: 174549





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)
Rated operating distance	0.8 mm
Assured operating distance	0.64 mm
Reduction factors	Aluminium = 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	PNP
Switching element function	N/C contact
Max. switching frequency	3000 Hz
Max. switching frequency DC	3000 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	Cable
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	3
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Size	5x5x25 mm

Feature	Value
Type of mounting	Via female thread
Mounting type	Flush
Product weight	22 g
Material housing	Brass 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