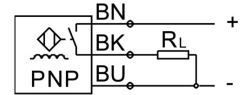


# Proximity sensor SIES-QB-PS-K-L

Part number: 150488

FESTO



## Data sheet

Feature	Value
Type code	SIES
Conforms to standard	EN 60947-5-2
Symbol	00991702
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE
Rated operating distance	2 mm
Assured operating distance	1.6 mm
Reduction factors	Aluminum = 0.45 Stainless steel St 18/8 = 0.8 Copper = 0.35 Brass = 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 85 °C
Repetition accuracy	0.1 mm
Switching output	PNP
Switching element function	N/O contact
Max. switching frequency	1200 Hz
Max. switching frequency DC	1200 Hz
Max. output current as a function of temperature	200 mA at ≤ 50 °C 150 mA at ≤ 85 °C
Voltage drop	3.2 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	≤ 30 mA
Reverse polarity protection	for all electrical connections
Electrical connection	Cable M8x1
Cable length	2.5 m
Material of cable sheath	TPE-U(PUR)
Size	12x26x40 mm
Type of mounting	With through-hole
Mounting type	Flush
Product weight	170 g
Housing material	PBT-reinforced
Switching status indication	LED yellow

Feature	Value
Degree of protection	IP67
Selection of additional sensor information	Special design
Electrical output	PNP
Selection of sensor version	Standard