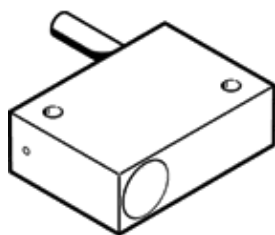


# proximity sensor SIES-QB-PS-K-L

Part number: 150488

FESTO

Inductive, special mechanical design.



## Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Materials note	Free of copper and PTFE
Nominal switching distance	2 mm
Guaranteed switching distance	1.6 mm
Reduction factors	Aluminium = 0.45 Stainless steel, St 18/8 = 0.8 Copper = 0.35 Brass = 0.5 Steel, St 37 = 1.0
Ambient temperature	-25 ... 85 °C
Repetition accuracy	0.1 mm
Switch output	PNP
Switching element function	Normally open contact
Max. switching frequency	1,200 Hz
Max. switching frequency, DC	1,200 Hz
Maximum output current relative to temperature	200 mA at $\leq 50^\circ\text{C}$ 150 mA at $\leq 85^\circ\text{C}$
Voltage drop	3.2 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	$\leq 30\text{ mA}$
Polarity protected	for all electrical connections
Electrical connection	Cable M8x1
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Size	12x26x40 mm
Mounting type	with through hole
Type of installation	flush
Product weight	170 g
Material housing	PBT-reinforced
Operating status display	Yellow LED
Protection class	IP67