

# Proximity sensor SIES-Q5B-PS-K-L

Part number: 178291

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Symbol	00991702
Approval	RCM c UL us - Listed (Oil)
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 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/O 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
Type of mounting	With female thread
Mounting type	Flush
Product weight	22 g
Material housing	nickel-plated

<b>Feature</b>	<b>Value</b>
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