

Proximity sensor SIES-Q5B-NS-K-L

Part number: 178290

FESTO



General operating condition

Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Symbol	00991704
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	as per UK instructions for EMC (UK-E) as per UK RoHS instructions (UK-R)
Rated operating distance	0.8 mm
Assured operating distance	0.64 mm
Reduction factors	Aluminum = 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	NPN
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 protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	≤10 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Cable length	2.5 m
Material of cable sheath	TPE-U(PUR)
Size	5x5x25 mm
Type of mounting	With internal thread
Mounting type	Flush
Product weight	22 g
Housing material	Nickel-plated

Feature	Value
Switching status indication	LED yellow
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	Special design
Electrical output	NPN
Selection of sensor version	Standard