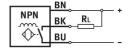
Proximity sensor SIES-Q5B-NS-K-L Part number: 178290

FESTO





Data sheet

RCM compliance mark c UL us - Listed (OL) EE marking (see declaration of conformity) As per EU EMC directive Rated operating distance 0.8 mm Assured operating distance 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 °C70 °C Repetition accuracy 0.0.4 mm NPN Switching output NPN Switching element function N/O contact Max. switching frequency Max. switching frequency Max. switching frequency DC Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed DC operating voltage range 10 V30 V Reverse polarity protection Glie current 10 mA Reverse polarity protection For all electrical connections Electrical connection 3 -wire Cable Cable length Material of cable sheath FIE-U(PUR) Fisize 5x5x25 mm Wounting type Flush	Feature	Value
C UL us - Listed (OL) Et marking (see declaration of conformity) As per EU EMC directive Assured operating distance O.64 mm Assured operating distance Auminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 Ambient temperature -25 °C70 °C Repetition accuracy O.04 mm NPN Switching output NPN Switching element function N/O contact Max. switching frequency Max. switching frequency DC Max. switching frequency DC Max. output current Voltage drop 2 V Short-circuit protection Pulsed DC operating voltage range 10 V30 V Reverse polarity protection for all electrical connections Cable Leath Reverse polarity protection PE-U(PUR) Size Sysx25 mm Wounting type flush	Conforms to standard	EN 60947-5-2
Rated operating distance Assured operating distance Reduction factors Reduction factors Aluminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 Repetition accuracy O.04 mm NPN Repetition accuracy NPN Switching output NPN Max. switching frequency Max. switching frequency Max. switching frequency DC Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed DC operating voltage range 10 V30 V Residual ripple 10 % Reverse polarity protection For all electrical connections Selectrical connection 3-wire Cable Cable length Material of cable sheath TPE-U(PUR) Size SxSx25 mm Mounting type Munimum = 0.4 Aluminum = 0.4 Runinum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Bullminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Businum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Businum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Businum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Businum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Stainless steel St 18/8 Stainless steel St 18/8 Staince Stainless steel St 18/8 Stainless steel St 18/8 Stainless = 0.4 Sta	Certification	
Assured operating distance Reduction factors Reduction factors Aluminum = 0.4 Stainless steel \$1 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel \$1 37 = 1.0 Ambient temperature -25 °C70 °C Repetition accuracy 0.04 mm NPN Switching output NPN Switching element function Max. switching frequency 3000 Hz Max. switching frequency DC 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 V30 V Residual ripple dle current 10 mA Reverse polarity protection For all electrical connections Electrical connection 3-wire Cable Cable Cable length Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Wounting type Wounting type	CE marking (see declaration of conformity)	As per EU EMC directive
Aluminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 Ambient temperature -25 °C70 °C Repetition accuracy 0.04 mm NPN Switching output MAX. switching frequency MAX. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed DC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection 5 a wire Cable Cable length Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Flush Mounting type Flush	Rated operating distance	0.8 mm
Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 Ambient temperature 25 °C70 °C Repetition accuracy 0.04 mm NPN Switching output NPN 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 V30 V Residual ripple 10 mA Reverse polarity protection for all electrical connections Electrical connection 2.5 m Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Fype of mounting Wounting type Flush Mounting type Flush	Assured operating distance	0.64 mm
Repetition accuracy O.04 mm Switching output NPN Switching element function N/O contact Max. switching frequency Max. switching frequency Max. switching frequency DC Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection For all electrical connections Electrical connection 3-wire Cable Cable length Material of cable sheath TPE-U(PUR) Size Sx5x25 mm Type of mounting Mounting type Flush Flush Flush Flush	Reduction factors	Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4
Switching output NPN Switching element function N/O contact 3000 Hz 3000 Hz Max. switching frequency DC Max. output current 200 mA Voltage drop Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection For all electrical connections Electrical connection Sa-wire Cable Cable length Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Flush Wounting type Flush	Ambient temperature	-25 °C70 °C
Switching element function Max. switching frequency Max. switching frequency DC Max. output current 200 mA Voltage drop Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection for all electrical connections Electrical connection Cable length Action TPE-U(PUR) Size Sx5x25 mm Wounting type Flush Mounting type	Repetition accuracy	0.04 mm
Max. switching frequency DC Max. switching frequency DC Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed DC operating voltage range 10 V30 V Residual ripple 10 % dle current 10 mA Reverse polarity protection Electrical connection 3-wire Cable Cable length Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Flush Mounting type	Switching output	NPN
Max. switching frequency DC Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection Electrical connection 3-wire Cable Cable length 2.5 m Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Wounting type Flush Mounting type Flush	Switching element function	N/O contact
Max. output current 200 mA Voltage drop 2 V Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 mA Reverse polarity protection For all electrical connections Electrical connection 3-wire Cable Cable length 2.5 m Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Max. switching frequency	3000 Hz
Voltage drop Short-circuit protection Pulsed OC operating voltage range 10 V30 V Residual ripple 10 % Cle current 10 mA Reverse polarity protection For all electrical connections Selectrical connection 3-wire Cable Cable length 2.5 m Material of cable sheath TPE-U(PUR) Size Sx5x25 mm Type of mounting Wounting type Flush Flush	Max. switching frequency DC	3000 Hz
Pulsed OC operating voltage range 10 V30 V Residual ripple 10 % dle current 10 mA Reverse polarity protection Electrical connection 3-wire Cable Cable length Vaterial of cable sheath TPE-U(PUR) Size Sysys 5 mm Type of mounting Wounting type Flush Type of mounting type	Max. output current	200 mA
DC operating voltage range 10 V30 V Residual ripple 10 % dle current 10 mA Reverse polarity protection For all electrical connections Electrical connection 3-wire Cable Cable Cable length 2.5 m Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Voltage drop	2 V
Residual ripple 10 % dle current 10 mA Reverse polarity protection for all electrical connections Electrical connection 3-wire Cable Cable length 2.5 m Waterial of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Short-circuit protection	Pulsed
Type of mounting type 10 mA 10 ma	DC operating voltage range	10 V30 V
Reverse polarity protection For all electrical connections 3-wire Cable Cable Cable length Atterial of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Residual ripple	10 %
Electrical connection 3-wire Cable Cable length 2.5 m Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Idle current	10 mA
Cable Cable length 2.5 m Waterial of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Reverse polarity protection	for all electrical connections
Material of cable sheath TPE-U(PUR) Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Electrical connection	
Size 5x5x25 mm Type of mounting With internal thread Mounting type Flush	Cable length	2.5 m
Type of mounting With internal thread Wounting type Flush	Material of cable sheath	TPE-U(PUR)
Mounting type Flush	Size	5x5x25 mm
- ··	Type of mounting	With internal thread
Product weight 22 g	Mounting type	Flush
	Product weight	22 g

Feature	Value
Housing material	Brass Nickel-plated
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