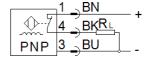
proximity sensor SIES-8M-PO-24V-K-2,5-M8D Part number: 551393

FESTO

inductive, cable with plug, can be flush-mounted, N/C function





Data sheet

Design		Value
Authorisation RCM Mark c UL us - Listed (OL) to EU directive for EMC KC mark KC-EMV Materials note Free of copper and PTFE Conforms to RoHS Nominal switching distance Reduction factors Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 Ambient temperature -25 70 °C Repetition accuracy for constant conditions Switch output PNP Switching element function Mormally closed contact Max. switching frequency 4,500 Hz Max. output current Short circuit strength Operating voltage range DC Lide current Polarity protected Electrical connection RCM Mark C UL us - Listed (OL) CC-EMC KC-EMV KC-EMV Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 -25 70 °C Repetition accuracy for constant conditions Romally closed contact Max. switching frequency 4,500 Hz Max. output current 150 mA Short circuit strength Pulsing Operating voltage range DC 10 30 V Lide current For all electrical connections Electrical connection 3-pin Cable with plug M8x1 Turnable threads Connector exit direction Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		for T-slot
c UL us - Listed (OL) CE mark (see declaration of conformity) to EU directive for EMC KC mark Materials note Free of copper and PTFE Conforms to RoHS Nominal switching distance Reduction factors Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 Ambient temperature 2.25 70 °C Repetition accuracy for constant conditions witching element function Normally closed contact Max. switching frequency 4,500 Hz Max. output current 150 mA Short circuit strength Operating voltage range DC Idle current Polarity protected Electrical connection Cable with plug M8x.1 Turnable threads Connector exit direction Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm	andard	EN 60947-5-2
CE mark (see declaration of conformity) to EU directive for EMC KC mark KC-EMV Materials note Free of copper and PTFE Conforms to RoHS Nominal switching distance 1.5 mm Reduction factors Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 Ambient temperature -25 70 °C Repetition accuracy for constant conditions <= 0.05 mm, approach from the side		RCM Mark
KC mark Materials note Free of copper and PTFE Conforms to RoHS Nominal switching distance Reduction factors Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 Ambient temperature -25 70 °C Repetition accuracy for constant conditions Switch output PNP Switching element function Normally closed contact Max. switching frequency 4,500 Hz Max. output current Short circuit strength Operating voltage range DC Idle current Polarity protected Electrical connection 3-pin Cable with plug M8x1 Turnable threads Connector exit direction Bending strength according to Festo standard Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		c UL us - Listed (OL)
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Conforms to RoHS	·	KC-EMV
Nominal switching distance Reduction factors Aluminium = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel, St 37 = 1.0 Ambient temperature -25 70 °C Repetition accuracy for constant conditions -26 70 °C -26 70 °C -27 70 °C -28 70 °C -29 70 °C -29 70 °C -20 7		Free of copper and PTFE
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Steel, St 37 = 1.0 Ambient temperature -25 70 °C Repetition accuracy for constant conditions (= 0.05 mm, approach from the side) Switch output PNP Switching element function Normally closed contact Max. switching frequency 4,500 Hz Max. output current 150 mA Short circuit strength Pulsing Operating voltage range DC 10 30 V Idle current (= 10 mA) Polarity protected for all electrical connections Electrical connection 3-pin Cable with plug M8x1 Turnable threads Connector exit direction axial Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		Copper = 0.6
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Repetition accuracy for constant conditions <= 0.05 mm, approach from the side Switch output PNP Switching element function Normally closed contact 4,500 Hz Max. switching frequency 4,500 Hz Max. output current 150 mA Short circuit strength Operating voltage range DC Idle current Polarity protected Electrical connection Cable with plug M8x1 Turnable threads Connector exit direction Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		Steel, St 37 = 1.0
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Max. switching frequency 4,500 Hz Max. output current 150 mA Short circuit strength Pulsing Operating voltage range DC 10 30 V Idle current <= 10 mA	ent function	Normally closed contact
Max. output current 150 mA Short circuit strength Pulsing Operating voltage range DC 10 30 V Idle current <= 10 mA		4,500 Hz
Short circuit strength Operating voltage range DC Idle current Polarity protected Electrical connection S-pin Cable with plug M8x1 Turnable threads Connector exit direction Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		150 mA
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Idle current <= 10 mA	age range DC	
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Electrical connection 3-pin Cable with plug M8x1 Turnable threads Connector exit direction axial Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm	ed	for all electrical connections
M8x1 Turnable threads Connector exit direction axial Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		
M8x1 Turnable threads Connector exit direction axial Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		Cable with plug
Connector exit direction Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		, -
Test conditions of cable Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm		Turnable threads
Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm	direction	axial
Test conditions on request Chain link trunking: 5 million cycles, bending radius 75 mm	of cable	Bending strength according to Festo standard
		Chain link trunking: 5 million cycles, bending radius 75 mm
		2.5 m
Cable attribute Standard + chain link trunking		
Material cable sheath TPE-U(PU)	sheath	
Size Slot 8		
Mounting type flush with T-slot		flush with T-slot
Tightened		
Insertable in slot from above		9
Material housing Nickel-plated brass]g	
PA		
PUR		
High alloy steel, non-corrosive		
Operating status display Yellow LED	ıs display	9 ,



Feature	Value
Ambient temperature with flexible cable installation	-5 70 °C
Protection class	IP65
	IP67
Insulation voltage	50 V
Surge strength	0.8 kV
Degree of contamination	3