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

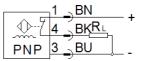
inductive, cable with plug, can be flush-mounted, N/C function



Data sheet

Feature	Value
Design	for T-slot
Conforms to standard	EN 60947-5-2
Authorization	RCM Mark
	c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	in accordance with EU RoHS directive
KC mark	KC-EMV
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Inductive
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
Switch output	PNP
Switching element function	Normally closed contact
Switch-on time	<pre><pre><pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre></pre>
Max. switching frequency	4,500 Hz
Max. output current	150 mA
Max. contact rating DC	4.5 W
Voltage drop	4.5 W
Inductive protective circuit	Integrated
Minimum load current	0 mA
Residual current	<pre></pre>
Short circuit strength	Pulsing
Overload withstand capability	Available
Operating voltage range DC	10 30 V
Residual ripple	10 %
Idle current	<= 10 mA
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, connection technology	3
Electrical connection 1, number of pins/wires	Screw lock
Connector exit direction	axial
Material electrical contact Test conditions of cable	Brass, gold-plated
lest conditions of cable	Bending strength according to Festo standard
	Test conditions on request
Cable law ath	Energy chain: > 5 million cycles, bending radius 75 mm
Cable length	2.5 m





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Feature	Value
Cable attribute	Standard/suitable for energy chains
Cable sheath color	Grey
Material cable sheath	TPE-U(PU)
Material insulation	PP
Size	Slot 8
Mounting type	flush with T-slot
	Tightened
	Insertable in slot from above
Tightening torque	0.6 Nm
Assembly position	Any
Type of installation	flush
Housing color	Black
Material housing	Nickel-plated brass
	PA
	PUR
	High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 70 °C
Protection class	IP65
	IP67
Insulation voltage	50 V
Surge strength	0.8 kV
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Cleanroom class	ISO class 4
Degree of contamination	3