proximity sensor
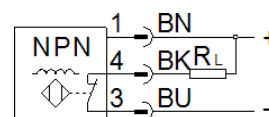# SIES-8M-NO-24V-K-10-M8D

Part number: 551405

FESTO

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
Authorisation	RCM Mark
	c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
	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	NPN
Switching element function	Normally closed contact
Switch-on time	<= 0.000 ms
Max. switching frequency	4,500 Hz
Max. output current	150 mA
Max. contact rating DC	4.5 W
Voltage drop	<= 2 V
Inductive protective circuit	Integrated
Minimum load current	0 mA
Residual current	<= 0.01 mA
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, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Energy chain: › 5 million cycles, bending radius 75 mm
Cable length	10 m

Feature	Value
Cable attribute	Standard/suitable for energy chains
Cable sheath colour	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 colour	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