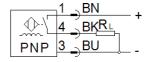
proximity sensor SIES-8M-PS-24V-K-2,5-M8D Part number: 551388

FESTO

inductive, cable with plug, can be flush-mounted, N/O 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	PNP
Switching element function	Normally open 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	2.5 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	