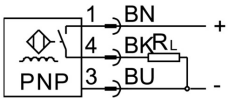
Proximity sensor
SIES-8M-PS-24V-K-2,5-M8D

Part number: 551388

FESTO





Data sheet

Feature	Value
Type code	SIES
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, connection type	Cable with plug
Electrical connection for input 1, connection pattern	00991155
KC characters	KC EMC
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, number of pins/wires	3
Design	for T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991701
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE RoHS-compliant
Rated operating distance	1.5 mm
Reduction factors	Aluminum = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy under constant conditions	<= 0.05 mm, approach from the side
Switching output	PNP
Switching element function	N/O contact
Max. switching frequency	4500 Hz
Max. output current	150 mA
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Idle current	≤10 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin Cable with plug M8x1 Rotatable thread
Connection outlet orientation	Longitudinal
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 75 mm

Feature	Value
Cable length	2.5 m
Cable characteristic	Standard + cable chain
Material of cable sheath	TPE-U(PU)
Size	Slot 8
Type of mounting	Flush with T-slot Screwed tightly Can be inserted in slot from above
Housing material	Brass, nickel-plated PA PUR High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP65 IP67
Insulation voltage	50 V
Surge resistance	0.8 kV
Contamination level	3
Selection of additional sensor information	For T-slot
Electrical output	PNP
Selection of sensor version	Special design