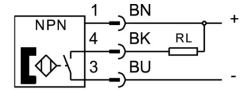


Proximity sensor SDBT-BSW-1L-NU-W-0.3-N-M12

Part number: 2427615

FESTO



Data sheet

Feature	Value
Type code	SDBT-BSW
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00995573
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, connection type	Cable with plug
KC characters	KC EMC
Repetition accuracy	0.2 mm
Electrical connection 1, number of pins/wires	3
Design	for T-slot
Based on norm	EN 60947-5-2
Symbol	00991150
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Special features	UV-resistant Oil-resistant Welding field resistant Resistant to welding spatter
Note on materials	Free of copper and PTFE RoHS-compliant
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-25 °C ... 85 °C
Max. travel speed	1 m/s
Switching output	NPN
Switching characteristics during the welding process	Output signal freezes
Switching element function	N/O contact
On time	≤15 ms
Switch-off time	≤25 ms
Max. switching frequency	25 Hz
Max. output current	100 mA
Max. output current in mounting kits	100 mA
Max. switching capacity DC	2.8 W
Max. switching capacity DC in mounting kits	2.8 W
Voltage drop	<1.5 V
Minimum load current	0 mA
Residual current	<0.14 mA

Feature	Value
Short-circuit protection	yes
Overload protection	Available
Rated operating voltage DC	24 V
DC operating voltage range	10 V ... 30 V
Reverse polarity protection	for all electrical connections
Connection outlet orientation	Longitudinal
Material of pin contacts	Brass Nickel-plated and gold-plated
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request
Cable length	0.3 m
Cable characteristic	Resistant to welding spatter
Color cable sheath	Gray
Material of cable sheath	PVC Cross-linked by irradiation
Insulating sheath material	PVC
Material of plug housing	TPE-U(PU)
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.6 Nm
Mounting position	Any
Product weight	23.3 g
Housing colour	Black
Housing material	Epoxy resin PA-reinforced High-alloy stainless steel
Material of union nut	Brass, nickel-plated
Switching status indication	LED yellow
Function reserve indication	LED orange
Ambient temperature with flexible cable installation	-5 °C ... 80 °C
Degree of protection	IP65 IP68
Resistance to interference from magnetic fields	Insensitive to AC magnetic fields (50...60 Hz) < 200 mT Insensitive to MFDC magnetic fields (1000 Hz) < 200 mT Due to design, insensitive to permanent magnetic fields < Bon