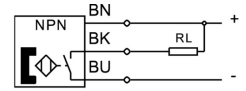


Proximity sensor SDBT-BSW-1L-NU-W-5-N-LE

Part number: 2427618

FESTO



Data sheet

Feature	Value
Type code	SDBT-BSW
Electrical connection 1, connection technology	Open end
Electrical connection 1, connection type	Cable
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	00991149
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
Short-circuit protection	yes
Overload protection	Available

Feature	Value
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
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request
Cable length	5 m
Cable characteristic	Resistant to welding spatter
Color cable sheath	Gray
Material of cable sheath	PVC Cross-linked by irradiation
Insulating sheath material	PVC
Wire ends	Cable end sleeve
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.6 Nm
Mounting position	Any
Product weight	119.4 g
Housing colour	Black
Housing material	Epoxy resin PA-reinforced High-alloy stainless steel
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