

# Proximity switch SDBT-MSB-1L-NU-K-0.3-M8

Part number: 8150175

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Design	For T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991150
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC characters	KC-EMV
Special features	Oil-resistant
Note on materials	RoHS compliant Halogen-free Free of copper
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-20 °C ... 70 °C
Repetition accuracy	0.2 mm
Switching output	NPN
Switching element function	N.O. contact
On time	≤2.5 ms
Switch-off time	≤2.5 ms
Max. switching frequency	480 Hz
Max. output current	100 mA
Max. switching capacity DC	3 W
Voltage drop	≤0.5 V
Short-circuit protection	No
Overload protection	No
Rated operating voltage DC	24 V
DC operating voltage range	10 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Rotatable
Electrical connection 1, type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection for input 1, connection pattern	00991155
Connection outlet orientation	Longitudinal

Feature	Value
Material of screw-type lock	high-alloy stainless steel
Cable length	0.3 m
Cable characteristic	Standard Suitable for energy chains
Material of cable sheath	PUR
Insulating sheath material	PP
Type of mounting	Screwed on Can be inserted in slot from above
Max. tightening torque	0.3 Nm
Mounting position	Any
Product weight	9.5 g
Housing material	PC
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-20 °C ... 70 °C
Degree of protection	IP67 IP68 As per IEC 60529
LABS (PWIS) conformity	VDMA24364 Zone III