

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
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Special characteristics	Oil-resistant
Note on materials	RoHS compliant Free of halogen Copper-free
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
Switch-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 current rating	No
Overload protection	No
Rated operational voltage DC	24 V
Operational voltage range DC	10 V ... 30 V
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 1, connection pattern	00991155
Connection outlet orientation	In-line

Feature	Value
Material screw-type lock	High-alloy stainless steel
Cable length	0.3 m
Cable characteristic	Standard Suitable for energy chains
Material cable sheath	PUR
Material insulating sheath	PP
Type of mounting	Screw-clamped Insertable in the slot from above
Max. tightening torque	0.3 Nm
Mounting position	Any
Product weight	9.5 g
Material housing	Makrolon®
Switching status indication	Yellow LED
Ambient temperature with moving cable	-20 °C ... 70 °C
Degree of protection	IP67 IP68 To IEC 60529
LABS (PWIS) conformity	VDMA24364 zone III