Proximity switch SDBT-MSB-1L-PU-K-2-LE

Part number: 8150171

FESTO

Data sheet

Feature	Value
Design	For T-slot
Conforms to standard	EN 60947-5-2
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Special characteristics	Oil resistant
Note on materials	RoHS-compliant Free of halogen Free of copper
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-10 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	PNP
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	Not available
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
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	3

Feature	Value
Connection outlet orientation	In-line
Cable length	2 m
Cable characteristic	Standard Suitable for energy chains
Material cable sheath	PUR
Material insulating sheath	PP
Wire ends	Cut off bluntly
Type of mounting	Screw-clamped Insertable in the slot from above
Max. tightening torque	0.3 Nm
Mounting position	optional
Product weight	26.5 g
Material housing	PC
Material union nut	High-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with moving cable	-10 ºC...70 ºC
Degree of protection	IP67 To IEC 60529
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 4 according to ISO 14644-1