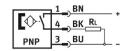
Proximity switch SDBT-MSB-1L-PU-K-0.3-M8

Part number: 8150174







General operating condition

Data sheet

En 60947-5-2 Symbol Symbol Symbol Symbol Spipoval RCM trademark Et mark (see declaration of conformity) To EL EMC Directive In accordance with EU RoHS Directive In UK instructions for EMC To UK RoHS instructions IN UK ShrS instructions IN UK Shr	Feature	Value
Approval RCM trademark RCE mark (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive In a UK instructions for EMC TO UK ROHS instructions IO UK ROHS DIRECTION IO UK ROHS DIRECTION IO UK ROHS DIRECTION IO UK ROHS IN INSTRUCTION IO UK ROHS DIRECTION I	Design	For T-slot
Accordance with EU RMS Directive In UK RMSI Directive In	Conforms to standard	EN 60947-5-2
To EU EMC Directive In accordance with EU RoHS D	Symbol	00991153
In accordance with EUR RoHS Directive To UK instructions for EMC To UK RoHS instructions CC mark CC	Approval	RCM trademark
To UK RoHS instructions CC mark CC mark CC EMV Special characteristics Oil resistant RoHS-compliant Free of copper Aleasured variable Aleasuring principle Magneto-resistive Amplied temperature 2-20 °C 70 °C Repetition accuracy O.2 mm Rowitching output PNP Rowitching element function N/O contact Switch-on time Switch-on time Aleax. switching frequency Alex. switching frequency Alex. switching frequency Alex. switching capacity DC Alex. switching capacity DC Short circuit current rating Noterload protection Rotated operational voltage DC Department voltage range DC Rotated connection 1, connection type Lectrical connection 1, tonnection system Max. Ascounced, connection 1, connection pattern Oopentaction undet orientation In-line	CE mark (see declaration of conformity)	
Special characteristics Oil resistant Note on materials RoHS-compliant Free of halogen Free of copper Aleasured variable Aleasuring principle Aleasuring principle Magneto-resistive Ambient temperature -20 °C 70 °C Lepetition accuracy 0.2 mm Switching output PNP Switching element function N/O contact Switch-on time -2.5 ms Aleas, switching frequency 480 Hz Aleas, switching frequency 480 Hz Aleas, switching capacity DC 3 W Softort circuit current rating No Diverload protection Not available Lettical connection 1, connection type Lettical connection 1, connection type Lettical connection 1, connection system Lettical connection 1, connection pattern Connection outlet orientation In-line Lettical connection 1, connection pattern O0991155 Lonnection outlet orientation In-line	CE marking (see declaration of conformity)	· · · · · · · · · · · · · · · · · · ·
RoHS-compliant Free of halogen Free of copper Aleasured variable Aleasuring principle Aleasuring alement function	KC mark	KC-EMV
Free of halogen Free of copper Measured variable Measuring principle Magneto-resistive Ambient temperature -20 °C 70 °C Repetition accuracy 0.2 mm PNP Switching output N/O contact Switching element function N/O contact Switch-or time -2.5 ms Switching frequency Aax. switching frequency Aax. switching capacity DC Solotage drop Solotage grape DC Active grange DC Reverse polarity protection Reverse polarity protection Reverse polarity protection Reference on a standard solotage according to the foliage of the foliag	Special characteristics	Oil resistant
Measuring principle Minibent temperature -20 °C 70 °C Repetition accuracy 0.2 mm PNP Switching output PNP Switch on time s2.5 ms Switch-on time s2.5 ms Switch output current 100 mA Max. switching capacity DC Solution drop solution More and protection Not available Rated operational voltage DC Deparational voltage ange DC Deparational voltage range DC Reverse polarity protection Reverse	Note on materials	Free of halogen
Ambient temperature -20 °C 70 °C Repetition accuracy 0.2 mm N/O contact Switching output N/O contact Switch-on time \$2.5 ms Switch-off time 480 Hz Aax. switching frequency 480 Hz Aax. switching capacity DC 3 W Solotage drop So	Measured variable	Position
Repetition accuracy O.2 mm PNP Switching output PNP Switching element function N/O contact Switch-on time Suitch-off	Measuring principle	Magneto-resistive
witching output PNP witching element function N/O contact switch-on time \$2.5 ms witch-off time \$2.5 ms witch-off time \$2.5 ms witching frequency #480 Hz #480 Hz	Ambient temperature	-20 °C 70 °C
switching element function N/O contact switch-on time \$2.5 ms switch-off time \$2.5 ms Aax. switching frequency Aax. output current 100 mA Aax. switching capacity DC 3 W Voltage drop Solverload protection Acted operational voltage DC Departional voltage range DC Reverse polarity protection Reverse polarity protection For all electrical connections Electrical connection 1, connector system Max. Accoded, to EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Connection outlet orientation In-line	Repetition accuracy	0.2 mm
switch-on time s2.5 ms switch-off time s2.5 ms Aax. switching frequency Aax. output current 100 mA Aax. switching capacity DC 3 W /oltage drop s0.5 V for icruit current rating no overload protection Not available ated operational voltage DC operational voltage range DC everse polarity protection for all electrical connections electrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 electrical connection 1, type of mounting Screw-type lock connection 1, connection pattern 00991155 connection outlet orientation In-line	Switching output	PNP
switch-off time \$2.5 ms Aax. switching frequency Aax. output current 100 mA Aax. switching capacity DC 3 W Foliage drop Short circuit current rating Not available Rated operational voltage DC Perentional voltage range DC Reverse polarity protection For all electrical connection 1, connector system Electrical connection 1, connector system Max1, A-coded, to EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, connection pattern O0991155 Connection outlet orientation In-line	Switching element function	N/O contact
Max. switching frequency Max. output current 100 mA Max. switching capacity DC 3 W Voltage drop so.5 V Short circuit current rating no Overload protection Not available Rated operational voltage DC Operational voltage range DC Reverse polarity protection For all electrical connections Electrical connection 1, connector system Max1, A-coded, to EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Connection outlet orientation In-line	Switch-on time	≤2.5 ms
Max. output current Max. switching capacity DC 3 W Foliage drop Short circuit current rating Not available Rated operational voltage DC Reverse polarity protection Reverse polarity protection For all electrical connection 1, connection type Clectrical connection 1, connector system Max1, A-coded, to EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Connection outlet orientation In-line	Switch-off time	≤2.5 ms
Max. switching capacity DC Allower of the content	Max. switching frequency	480 Hz
/oltage drop sinort circuit current rating no Not available verload protection Not available verload protection Not available verload operational voltage DC 24 V verload voltage range DC 10 V 30 V verload voltage range DC For all electrical connections verse polarity protection For all electrical connections verse polarity protection Cable with plug verse verse polarity protection verse ve	Max. output current	100 mA
Short circuit current rating no 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 with plug Electrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, connection pattern 00991155 Connection outlet orientation In-line	Max. switching capacity DC	3 W
Overload protection Rated operational voltage DC Reverse polarity protection Reverse p	Voltage drop	≤0.5 V
Rated operational voltage DC Deperational voltage range DC Reverse polarity protection 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 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, connection pattern O0991155 Connection outlet orientation In-line	Short circuit current rating	no
Operational voltage range DC 10 V 30 V Reverse polarity protection For all electrical connections Clectrical connection 1, connection type Clectrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 Clectrical connection 1, number of connections/cores Clectrical connection 1, type of mounting Clectrical connection 1, connection pattern O0991155 Connection outlet orientation In-line	Overload protection	Not available
Reverse polarity protection For all electrical connections Electrical connection 1, connection type 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 Screw-type lock Electrical connection 1, connection pattern 00991155 Connection outlet orientation In-line	Rated operational voltage DC	24 V
Cable with plug Electrical connection 1, connection type Electrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 Electrical connection 1, number of connections/cores Electrical connection 1, type of mounting Electrical connection 1, connection pattern O0991155 Connection outlet orientation In-line	Operational voltage range DC	10 V 30 V
Electrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 Electrical connection 1, number of connections/cores Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, connection pattern O0991155 Connection outlet orientation In-line	Reverse polarity protection	For all electrical connections
Electrical connection 1, number of connections/cores 3 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, connection pattern 00991155 Connection outlet orientation In-line	Electrical connection 1, connection type	Cable with plug
Electrical connection 1, type of mounting Screw-type lock O0991155 Connection outlet orientation In-line	Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, connection pattern 00991155 Connection outlet orientation In-line	Electrical connection 1, number of connections/cores	3
Connection outlet orientation In-line	Electrical connection 1, type of mounting	Screw-type lock
	Electrical connection 1, connection pattern	00991155
	Connection outlet orientation	In-line
apie iengtn 0.3 m	Cable length	0.3 m

Feature	Value
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	optional
Product weight	9.5 g
Material housing	PC
Material union nut	High-alloy stainless steel
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