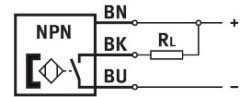
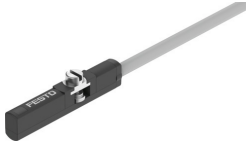


Proximity sensor SDBC-MSB-1L-NU-K-2-LE

Part number: 8139724

FESTO



Data sheet

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
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 instructions for EMC To UK RoHS instructions
KC characters	KC EMC
Special features	Oil-resistant
Note on materials	RoHS-compliant Halogen-free Copper-free
Application note	Cable flame-protected and flame-retardant as per UL Standard 758 Horizontal Flame Test, does not comply with fire protection according to IEC 61010-1:2017, Edition 3.1, Section 9.3.
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
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	Not available
Rated operating voltage DC	24 V

Feature	Value
DC operating voltage range	10 V...30 V
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Connection outlet orientation	Longitudinal
Cable length	2 m
Cable characteristic	Standard Suitable for energy chains
Material of cable sheath	PUR
Insulating sheath material	PP
Wire ends	Cut off bluntly
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.2 Nm
Mounting position	Any
Product weight	18.5 g
Housing material	PC
Material of union nut	High-alloy stainless steel
Switching status indication	LED yellow
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
Suitability for the production of Li-ion batteries	Product corresponds to Festo's internal product definition for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 4 according to ISO 14644-1