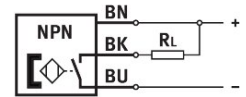


# Proximity sensor SDBC-MSB-1L-NU-K-2-LE

Part number: 8139724

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
Design	For round slot
Conforms to standard	EN 60947-5-2
Symbol	00991149
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
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	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
Electrical connection 1, connection technology	Open end

Feature	Value
Electrical connection 1, number of pins/wires	3
Connection outlet orientation	Longitudinal
Material of screw-type lock	high-alloy stainless steel
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 on Can be inserted in slot from above
Max. tightening torque	0.2 Nm
Mounting position	Any
Product weight	18.5 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
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Statically installed element, no meaningful evaluation possible according to ISO 14644-1