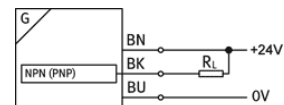
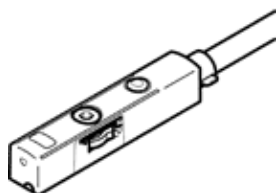


proximity sensor SDBT-MSX-1L-NU-E-2.5-N-LE

Part number: 8059124

★ Core product range

FESTO



Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Certificate issuing department	UL E232949
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Link: Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Hall magnetic
Ambient temperature	-40 ... 85 °C
Max. travel speed	3 m/s
Repetition accuracy	0.1 mm
Switch output	PNP/NPN, switchable
Switching element function	N/C or N/O contact, switchable
Hysteresis	0.2 mm
Switch-on time	≤ 2 ms
Switch-off time	≤ 2 ms
Max. switching frequency	200 Hz
Max. output current	100 mA
Max. output current in mounting kits	100 mA
Max. contact rating DC	2.8 W
Max. switching capacity DC in mounting kits	2.8 W
Voltage drop	< 1.5 V
Minimum load current	0.15 mA
Residual current	< 0.2 mA
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	10 ... 30 V
Polarity protected	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
Connector exit direction	axial
Test conditions of cable	Bending strength according to Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Cable length	2.5 m
Cable attribute	Suitable for energy chains/robot applications

Feature	Value
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Wire ends	Wire end ferrule
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	29 g
Housing colour	Black
Material housing	PA-reinforced High alloy steel, non-corrosive
Operating status display	Yellow LED
Status display	Green LED
Setting options	Auto Teach-In Capacitive pushbutton
Ambient temperature with flexible cable installation	-20 ... 85 °C
Protection class	IP68
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 4