

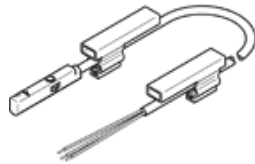
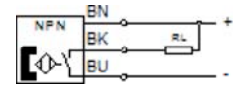
proximity sensor

SMT-10M-NS-24V-E-2,5-L-OE

Part number: 551377

★ Core product range

Magnetic, contactless, for C-slot.


FESTO

[PDF](#) General operating conditions

[PDF](#) Data sheet

Data sheet

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
Special characteristics	Oil resistant
Materials note	Free of copper and PTFE Conforms to RoHS Halogen-free
Measured variable	Position
Measuring principle	Magnetostrictive
Ambient temperature	-40 ... 70 °C
Switch output	NPN
Switching element function	Normally open contact
Switching output repetition accuracy in ± mm	0.1 mm
Switch-on time	≤ 1.3 ms
Switch-off time	≤ 1.4 ms
Max. switching frequency	150 Hz
Max. output current	100 mA
Max. output current in mounting kits	50 mA
Max. contact rating DC	2.8 W
Max. switching capacity DC in mounting kits	1.5 W
Voltage drop	≤ 1.5 V
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	5 ... 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 Chain link trunking: 5 million cycles, bending radius 28 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m
Cable length	2.5 m
Cable attribute	Energy chain + robot
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.4 Nm
Assembly position	Any
Product weight	16.8 g

Feature	Value
Material housing	PA-reinforced High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-20 ... 70 °C
Protection class	IP65 IP68