

# Proximity Sensor

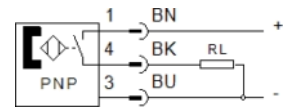
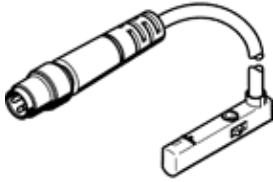
## SMT-10M-PS-24V-E-0,3-Q-M8D

Part number: 551376

★ Core product range

Magnetic, contactless, for C-slot.

FESTO



## Data sheet

Feature	values
Design	for round slot
Conforms to standard	EN 60947-5-2
Authorization	RCM Mark
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Special characteristics	Oil resistant
Materials note	Free of copper and PTFE Conforms to RoHS Halogen-free
Measured variable	Position
Measuring principle	Magnetoresistive
Ambient temperature	-40 ... 70 °C
Switch output	PNP
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	≤ 1.7 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	Cable with plug M8x1 3-pin Turnable threads
Connector exit direction	Lateral
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	0.3 m
Cable attribute	Energy chain + robot
Materials information, cable sheaths	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.4 Nm
Assembly position	Any
Product weight	6.7 g

<b>Feature</b>	<b>values</b>
Materials information, 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