

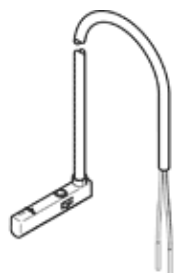
Proximity Sensor

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

Part number: 551378

FESTO

Magnetic, contactless, for C-slot.



Data sheet

Feature	Value
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 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
Special characteristics	Oil resistant
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Link: Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	NPN
Switching element function	Normally open contact
Switch-on time	≤ 1.3 ms
Switch-off time	4.2 ... 7.3 ms
Max. switching frequency	130 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	Lateral
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
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above

Feature	Value
Max. tightening torque	0.4 Nm
Assembly position	Any
Product weight	16.8 g
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
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 4