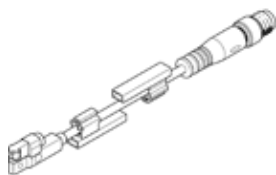


# proximity sensor SMT-10G-PS-24V-E-0,3Q-M8D

Part number: 547863

FESTO

Magnetic, contactless, for C-slot.



## Data sheet

Feature	Value
Design	for round 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
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-20 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Switch-on time	≤ 1 ms
Switch-off time	≤ 1 ms
Max. switching frequency	150 Hz
Max. output current	100 mA
Max. contact rating DC	2.8 W
Voltage drop	≤ 2 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Residual current	≤ 0.01 mA
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	Lateral
Material electrical contact	Brass, gold-plated
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	0.3 m
Cable attribute	Suitable for energy chains/robot applications

Feature	Value
Cable sheath colour	Grey
Material cable sheath	TPE-U(PU)
Mounting type	Clamped in round slot Insertable into slot lengthwise
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	10 g
Housing colour	Black
Material housing	Aluminium PA-reinforced High alloy steel, non-corrosive
Material of union nut	Nickel-plated brass
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP65 IP68
PWIS conformity	VDMA24364-B2-L