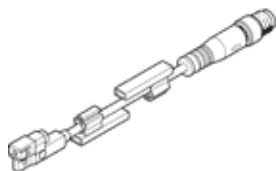


Proximity Sensor SMT-8G-PS-24V-E-0,3Q-M8D

Part number: 547860

FESTO

Magnetic, contactless, for T-slot.



Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorization	RCM Mark c UL us - Listed (OL)
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
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 color	Grey
Material cable sheath	TPE-U(PU)
Mounting type	Clamped in T-slot Insertable into slot lengthwise
Max. tightening torque	0.8 Nm
Assembly position	Any
Product weight	10 g
Housing color	Black
Material housing	Aluminum 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