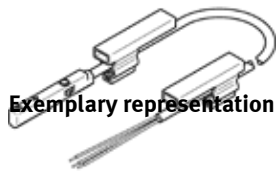


# proximity sensor SME-10M

Part number: 551364

FESTO

Minimum order 10 units



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

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 in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Special characteristics	Oil resistant
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Reed magnetic
Ambient temperature	-40 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	with contact, bipolar
Switching element function	Normally open contact
Switch-on time	≤ 1.2 ms
Switch-off time	≤ 1 ms
Max. switching frequency	50 Hz
Max. output current	100 ... 300 mA
Max. output current in mounting kits	50 mA
Max. contact rating AC	3 ... 9 VA
Max. contact rating DC	3 ... 9 W
Max. switching capacity DC in mounting kits	1.5 W
Max. switching capacity AC in mounting kits	1.5 VA
Voltage drop	≤ 4.5 V
Short circuit strength	No
Overload withstand capability	Not available
Nominal operating voltage DC	24 V
Operating voltage range AC	5 ... 30 V
Operating voltage range DC	5 ... 30 V
Polarity protected	Bipolar No
Electrical connection 1, connection type	Cable Cable with plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101 M8x1, A-coded to EN 61076-2-104 Open end
Electrical connection 1, number of pins/wires	2 3
Electrical connection 1, type of mounting	Screw lock

<b>Feature</b>	<b>Value</b>
Connector exit direction	axial 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	0.2 ... 10 m
Cable attribute	Suitable for energy chains/robot applications
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.4 Nm
Assembly position	Any
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