

Proximity sensor SME-10M

Part number: 551364

FESTO



Data sheet

Feature	Value
Design	For round slot
Conforms to standard	EN 60947-5-2
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Special features	Oil-resistant
Note on materials	RoHS compliant Halogen-free
Application note	https://www.festo.com/Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-40 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	Contact-based, bipolar
Switching element function	N.O. contact
On time	1.2 ms
Switch-off time	1 ms
Max. switching frequency	50 Hz
Max. output current	100 mA...300 mA
Max. output current in mounting kits	50 mA
Min. switching capacity AC	3 VA...9 VA
Max. switching capacity DC	3 W...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 protection	No
Overload protection	No
Rated operating voltage DC	24 V
Operating voltage range AC	5 V...30 V
DC operating voltage range	5 V...30 V

Feature	Value
Reverse polarity protection	Bipolar No
Electrical connection 1, connection type	Cable Cable with plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101 M8x1 A-coded as per EN 61076-2-104 Open end
Electrical connection 1, number of pins/wires	2 3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Rotatable not rotatable Compatible with snap-locking Compatible with rotatable screw-type lock Compatible with rotatable/non-rotatable screw-type lock
Connection outlet orientation	Longitudinal
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, $\pm 270^\circ/0.1$ m Energy chain: > 5 million cycles, bending radius 28 mm
Cable length	0.2 m...10 m
Cable characteristic	suitable for energy chains/robot applications
Material of cable sheath	TPE-U(PUR)
Type of mounting	Screwed on Can be inserted in slot from above
Max. tightening torque	0.4 Nm
Mounting position	Any
Housing material	PA-reinforced high-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-20 °C...70 °C
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L