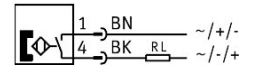
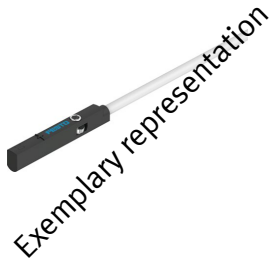


Proximity sensor SME-10M

Part number: 551364

FESTO



[PDF](#) General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
Symbol	00991619 00991620 00991624 00995366
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	Support / actuator-sensor overview "The right sensor for the actuator"
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	Not available
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	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock rotatable not rotatable
Electrical connection 1, type of mounting	Compatible with latching lock Compatible with screw lock rotatable Compatible with rotatable/non-rotatable screw lock
Electrical connection for input 1, connection pattern	00991155 00992826 00995573 00997357
Connection outlet orientation	Longitudinal Transverse
Connector cable test conditions	Flexural strength: as per 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 m ... 10 m
Cable characteristic	Suitable for energy chains/robot applications
Material of cable sheath	TPE-U(PUR)
Type of mounting	Can be inserted in slot from above
Max. tightening torque	0.4 Nm
Mounting position	Any
Housing material	High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-20 °C ... 70 °C
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L