

Proximity sensor SME-10-SQ-LED-24

Part number: 173213

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
Symbol	00991619
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 RoHS instructions
Note on materials	RoHS-compliant
Application note	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-20 °C ... 70 °C
Repetition accuracy	0.2 mm
Switching output	Contact-based, bipolar
Switching element function	N/O contact
On time	≤0.6 ms
Switch-off time	≤0.05 ms
Max. switching frequency	500 Hz
Max. output current	100 mA
Max. switching capacity DC	1 W
Voltage drop	0 V
Short-circuit protection	no
Overload protection	Not available
Operating voltage range AC	12 V ... 27 V
DC operating voltage range	12 V ... 27 V
Reverse polarity protection	no
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	not rotatable
Electrical connection 1, type of mounting	Compatible with snap-locking Compatible with rotatable screw-type lock
Electrical connection for input 1, connection pattern	00991155
Connection outlet orientation	Transverse
Cable length	0.3 m
Color cable sheath	Gray

Feature	Value
Material of cable sheath	TPE-U(PUR)
Type of mounting	Clamped in round slot Can be inserted in slot lengthwise
Tightening torque	0.1 Nm
Mounting position	Any
Product weight	5 g
Housing colour	Black
Housing material	PPS TPE-U(PU) High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP65 IP67
Insulation voltage	50 V
Surge resistance	0.8 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3