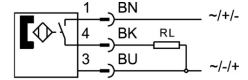


Proximity sensor SME-10M-DS-24V-E-0,3-Q-M8D

Part number: 551368

FESTO



Data sheet

Feature	Value
Type code	SME
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991155
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, connection type	Cable with plug
Repetition accuracy	0.2 mm
Electrical connection 1, number of pins/wires	3
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
Special features	Oil-resistant
Note on materials	Free of copper and PTFE RoHS-compliant Halogen-free
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-40 °C ... 70 °C
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	300 mA
Max. output current in mounting kits	50 mA
Min. switching capacity AC	9 VA
Max. switching capacity DC	9 W
Max. switching capacity DC in mounting kits	1.5 W
Max. switching capacity AC in mounting kits	1.5 VA
Voltage drop	≤1.5 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	no
Connection outlet orientation	Transverse
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: > 300 000 cycles, $\pm 270^\circ/0.1$ m
Cable length	0.3 m
Cable characteristic	Suitability for energy chains/robot applications
Material of cable sheath	TPE-U(PUR)
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.4 Nm
Mounting position	Any
Product weight	6.7 g
Housing material	PA-reinforced High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-20 °C ... 70 °C
Degree of protection	IP65 IP68