

# Proximity sensor SMT-8M-A-PS-24V-E-0,3-M12

Part number: 574337

FESTO



## Data sheet

Feature	Value
Type code	SMT
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991168
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, connection type	Cable with plug
KC characters	KC EMC
Repetition accuracy	0.2 mm
Electrical connection 1, number of pins/wires	3
Design	for T-slot
Based on norm	EN 60947-5-2
Symbol	00991153
Certification	c UL us - Listed (OL) RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Special features	Oil-resistant
Note on materials	Halogen-free RoHS-compliant Free of copper and PTFE
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 °C ... 85 °C
Switching output	PNP
Switching element function	N/O contact
On time	&le;1.3 ms
Switch-off time	&le;1.4 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. output current in mounting kits	100 mA
Max. switching capacity DC	2.8 W
Max. switching capacity DC in mounting kits	2.8 W
Voltage drop	&lt;1.5 V
Short-circuit protection	yes
Overload protection	Available
Rated operating voltage DC	24 V
DC operating voltage range	5 V ... 30 V
Reverse polarity protection	for all electrical connections

Feature	Value
Connection outlet orientation	Longitudinal
Connector cable test conditions	Torsional resistance: > 300 000 cycles, $\pm 270^\circ/0.1$ m Flexural strength: as per Festo standard Cable chain: 5 million cycles, bending radius 28 mm Test conditions on request
Cable length	0.3 m
Cable characteristic	Suitability for energy chains/robot applications
Color cable sheath	Gray
Material of cable sheath	TPE-U(PUR)
Type of mounting	Can be inserted in slot from above Screwed tightly
Max. tightening torque	0.6 Nm
Mounting position	Any
Product weight	15.9 g
Housing colour	Black
Housing material	High-alloy stainless steel PA-reinforced Brass, nickel-plated
Switching status indication	LED yellow
Function reserve indication	LED orange
Ambient temperature with flexible cable installation	-20 °C ... 85 °C
Degree of protection	IP68 IP65 IP69K