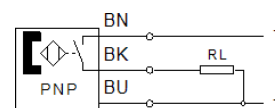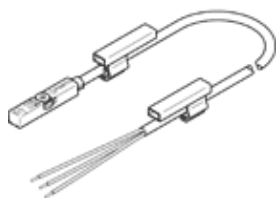# proximity sensor
SMT-8M-A-PS-24V-E-5,0-OE

Part number: 574336
★ Core product range

Magnetic, contactless, for T-slot.

FESTO

Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark
	c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
	in accordance with EU RoHS directive
KC mark	KC-EMV
Special characteristics	Oil resistant
Materials note	Free of copper and PTFE
	Conforms to RoHS
	Halogen-free
Measured variable	Position
Measuring principle	Magnetoresistive
Ambient temperature	-40 ... 85 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Switch-on time	‹= 1.3 ms
Switch-off time	‹= 1.4 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. output current in mounting kits	100 mA
Max. contact rating DC	2.8 W
Max. switching capacity DC in mounting kits	2.8 W
Voltage drop	‹ 1.5 V
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	5 ... 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Connector exit direction	axial
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Chain link trunking: 5 million cycles, bending radius 28 mm
	Torsion resistance: › 300,000 cycles, ±270°/0.1 m
Cable length	5 m
Cable attribute	Energy chain + robot
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened
	Insertable in slot from above

Feature	Value
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	57.1 g
Housing colour	Black
Material housing	PA-reinforced
	High alloy steel, non-corrosive
Operating status display	Yellow LED
Operating reserve display	LED orange
Ambient temperature with flexible cable installation	-20 ... 85 °C
Protection class	IP65
	IP68
	IP69K