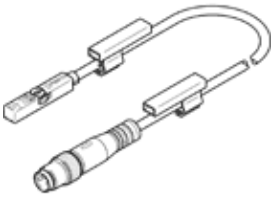
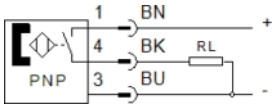
Proximity Sensor
SMT-8M-A-PS-24V-E-0,3-M12

Part number: 574337
★ Core product range

Magnetic, contactless, for T-slot.





Data sheet

Feature	values
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
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
Switch output	PNP
Switching element function	Normally open contact
Switching output repetition accuracy in ± mm	0.1 mm
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	Cable with plug M12x1 3-pin Turnable threads
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	0.3 m
Cable attribute	Energy chain + robot
Cable sheath color	Grey
Materials information, cable sheaths	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.6 Nm

Feature	values
Assembly position	Any
Product weight	15.9 g
Housing color	Black
Materials information, housing	Nickel-plated brass 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