

proximity sensor

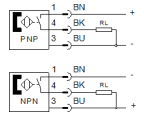
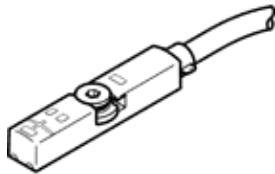
SMT-8M-A-PNS-24V-E-0,3-M8D

Part number: 574343
Product to be discontinued

FESTO

Magnetic, contactless, for T-slot.

Type to be discontinued. Available until 2023. See Support Portal for alternative products.



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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Certificate issuing department	UL E232949
Special characteristics	Oil resistant
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 ... 85 °C
Repetition accuracy	0.2 mm
Switch output	PNP/NPN, switchable
Switching element function	Normally open contact
Switch-on time	≤ 1 ms
Switch-off time	≤ 1 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. output current in mounting kits	100 mA
Max. contact rating DC	2.7 W
Max. switching capacity DC in mounting kits	2.7 W
Voltage drop	< 2.5 V
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	7 ... 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
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

Feature	Value
Cable length	0.3 m
Cable attribute	Energy chain + robot
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	9 g
Housing colour	Black
Material housing	Nickel-plated brass PA-reinforced High alloy steel, non-corrosive
Operating status display	Yellow LED (for PNP) / white LED (for NPN)
Ambient temperature with flexible cable installation	-20 ... 85 °C
Protection class	IP65 IP68 IP69K
PWIS conformity	VDMA24364-B2-L
Cleanroom class	ISO class 4