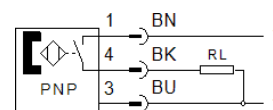
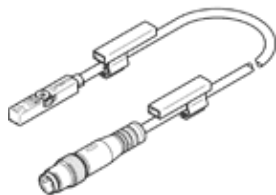


proximity sensor SMT-8M-A-PS-24V-E-0,3-M8D-EX2

Part number: 574342

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 to EU directive explosion protection (ATEX)
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex nA IIC T4 X Gc
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex tc IIIC T120°C X Dc
Explosion-proof ambient temperature	-40°C ≤ Ta ≤ +70°C
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	80 mA
Max. contact rating DC	2.8 W
Max. switching capacity DC in mounting kits	2.2 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 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
Cable length	0.3 m

Feature	Value
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	8.9 g
Housing colour	Black
Material 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