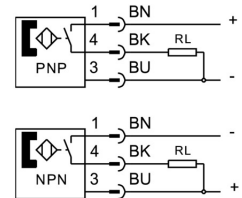


Proximity sensor SMT-8M-A-PNS-24V-E-0,3-M8D

Part number: 574343

FESTO



Data sheet

Feature	Value
Type code	SMT
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991155
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
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	00995299
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Special features	Oil-resistant
Note on materials	Free of copper and PTFE RoHS-compliant Halogen-free
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 °C ... 85 °C
Switching output	PNP/NPN switchable
Switching element function	N/O contact
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. switching capacity DC	2.7 W
Max. switching capacity DC in mounting kits	2.7 W
Voltage drop	<2.5 V
Short-circuit protection	yes
Overload protection	Available
Rated operating voltage DC	24 V
DC operating voltage range	7 V ... 30 V

Feature	Value
Reverse polarity protection	for all electrical connections
Connection outlet orientation	Longitudinal
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: > 300 000 cycles, $\pm 270^\circ/0.1$ m
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	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.6 Nm
Mounting position	Any
Product weight	9 g
Housing colour	Black
Housing material	Brass, nickel-plated PA-reinforced High-alloy stainless steel
Switching status indication	LED yellow (for PNP)/LED white (for NPN)
Ambient temperature with flexible cable installation	-20 °C ... 85 °C
Degree of protection	IP65 IP68 IP69K