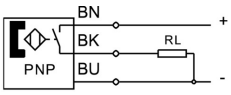
Proximity sensor
SMT-8M-A-PS-24V-E-2,5-OE

Part number: 574335





Data sheet

Feature	Value
Type code	SMT
Electrical connection 1, connection technology	Open end
Electrical connection 1, connection type	Cable
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	00991152
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
Switching element function	N/O contact
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. switching capacity DC	2.8 W
Max. switching capacity DC in mounting kits	2.8 W
Voltage drop	‹1.5 V
Short-circuit protection	yes
Overload protection	Available
Rated operating voltage DC	24 V
DC operating voltage range	5 V ... 30 V
Reverse polarity protection	for all electrical connections
Connection outlet orientation	Longitudinal

Feature	Value
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, ±270°/0.1 m
Cable length	2.5 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	29.1 g
Housing colour	Black
Housing material	PA-reinforced High-alloy stainless steel
Switching status indication	LED yellow
Function reserve indication	LED orange
Ambient temperature with flexible cable installation	-20 °C ... 85 °C
Degree of protection	IP65 IP68 IP69K