Proximity sensor
SMT-8M-A-PO-24V-E-7,5-OE

Part number: 574340
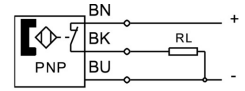
Data sheet

Feature	Value
Short type code	SMT
Electrical connection 1, connector system	Open end
Electrical connection 1, connection type	Cable
KC mark	KC-EMV
Repetition accuracy	0.2 mm
Electrical connection 1, number of connections/cores	3
Design	For T-slot
Based on standard	EN 60947-5-2
Symbol	00991151
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
Special characteristics	Oil resistant
Note on materials	Copper/PTFE-free RoHS-compliant Free of halogen
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 ºC ... 85 ºC
Switching output	PNP
Switching element function	N/C contact
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 using mounting kits	100 mA
Max. switching capacity DC	2.8 W
Max. switching capacity DC using mounting kits	2.8 W
Voltage drop	‹1.5 V
Short circuit current rating	yes
Overload protection	Available
Rated operational voltage DC	24 V
Operational voltage range DC	5 V ... 30 V
Reverse polarity protection	For all electrical connections
Connection outlet orientation	In-line

Feature	Value
Test conditions cable	Bending strength: to Festo standard Test conditions on request Energy chain: 5 million cycles, bending radius 28 mm Torsional resistance: › 300,000 cycles, ± 270°/0.1 m
Cable length	7.5 m
Cable characteristic	Suitable for energy chains/robot applications
Cable sheath colour	grey
Material cable sheath	TPE-U(PUR)
Type of mounting	Screw-clamped Insertable in the slot from above
Max. tightening torque	0.6 Nm
Mounting position	optional
Product weight	85.1 g
Housing colour	Black
Material housing	PA-reinforced High-alloy stainless steel
Switching status indication	Yellow LED
Function reserve indication	Orange LED
Ambient temperature with moving cable	-20 °C ... 85 °C
Degree of protection	IP65 IP68 IP69K