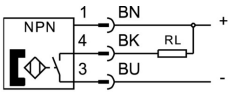
Proximity sensor
SMT-10M-NS-24V-E-0,3-L-M8D

Part number: 551379



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 round slot
Conforms to standard	EN 60947-5-2
Symbol	00991150
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Special features	Oil-resistant
Note on materials	RoHS-compliant Halogen-free Free of copper and PTFE
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 °C ... 70 °C
Switching output	NPN
Switching element function	N/O contact
On time	≤1.3 ms
Switch-off time	≤1.4 ms
Max. switching frequency	150 Hz
Max. output current	100 mA
Max. output current in mounting kits	50 mA
Max. switching capacity DC	2.8 W
Max. switching capacity DC in mounting kits	1.5 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	Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: › 300 000 cycles, ±270°/0.1 m Flexural strength: as per Festo standard Test conditions on request
Cable length	0.3 m
Cable characteristic	Suitability for energy chains/robot applications
Material of cable sheath	TPE-U(PUR)
Type of mounting	Can be inserted in slot from above Screwed tightly
Max. tightening torque	0.4 Nm
Mounting position	Any
Product weight	6.7 g
Housing material	PA-reinforced High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-20 °C ... 70 °C
Degree of protection	IP68 IP65