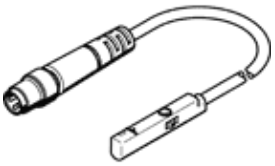
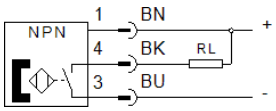
proximity sensor
SMT-10M-NS-24V-E-0,3-L-M8D

Part number: 551379
★ Core product range

Magnetic, contactless, for C-slot.





Data sheet

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Special characteristics	Oil resistant
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Link: Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Magnetoresistive
Ambient temperature	-40 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	NPN
Switching element function	Normally open contact
Switch-on time	<= 1.3 ms
Switch-off time	4.2 ... 7.3 ms
Max. switching frequency	130 Hz
Max. output current	100 mA
Max. output current in mounting kits	50 mA
Max. contact rating DC	2.8 W
Max. switching capacity DC in mounting kits	1.5 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 Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Cable length	0.3 m
Cable attribute	Suitable for energy chains/robot applications
Material cable sheath	TPE-U(PUR)
Mounting type	Tightened

Feature	Value
	Insertable in slot from above
Max. tightening torque	0.4 Nm
Assembly position	Any
Product weight	6.7 g
Material housing	PA-reinforced High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-20 ... 70 °C
Protection class	IP65 IP68
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 4