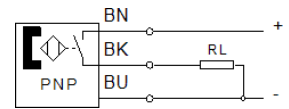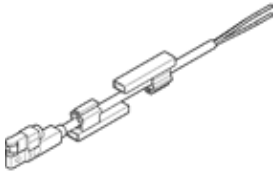# Proximity Sensor
SMT-10G-PS-24V-E-2,5Q-OE
Part number: 547862

FESTO

Magnetic, contactless, for C-slot.

Data sheet

Feature	Value
Design	for round slot
Based on the standard	EN 60947-5-2
Authorization	RCM Mark
	c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	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
Certificate issuing department	UL E232949
Materials note	Conforms to RoHS
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetoresistive
Ambient temperature	-20 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Switch-on time	<= 1 ms
Switch-off time	<= 1 ms
Max. switching frequency	150 Hz
Max. output current	100 mA
Max. contact rating DC	2.8 W
Voltage drop	<= 2 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Residual current	<= 0.01 mA
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Connector exit direction	Lateral
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	2.5 m
Cable attribute	Suitable for energy chains/robot applications
Cable sheath color	Grey
Material cable sheath	TPE-U(PU)

Feature	Value
Wire ends	Wire end ferrule
Mounting type	Clamped in round slot
	Insertable into slot lengthwise
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	30 g
Housing color	Black
Material housing	Aluminum
	PA-reinforced
	High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP65
	IP68
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 4