

Proximity Sensor SMT-C1-PS-24V-K-0,3-M12

Part number: 571341

FESTO



Data sheet

Feature	Value
Design	Block design
Based on the standard	EN 60947-5-2
Authorization	RCM Mark
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
Materials note	Conforms to RoHS Halogen-free
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic inductive
Ambient temperature	-20 ... 70 °C
Switch output	PNP
Switching element function	Normally open contact
Hysteresis	≤ 2 mm
Switch-on time	≤ 0.5 ms
Switch-off time	≤ 0.5 ms
Max. output current	200 mA
Max. contact rating DC	6 W
Voltage drop	< 1.8 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Minimum load current	0 mA
Residual current	< 0.1 mA
Short circuit strength	Pulsing
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 with plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Cable length	0.3 m
Cable sheath color	Grey
Material cable sheath	TPE-O
Mounting type	Clamped
Tightening torque	1.2 Nm
Assembly position	Any
Product weight	32.6 g
Housing color	Black
Material housing	Wrought Aluminum alloy Nickel-plated brass

Feature	Value
	PP TPE-O TPE-U(PU) High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-20 ... 70 °C
Protection class	IP65 IP68 to IEC 60529
PWIS conformity	VDMA24364-B2-L
Food-safe	See Supplementary material information