

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
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
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 colour	Grey
Material cable sheath	TPE-O
Mounting type	Clamped
Tightening torque	1.2 Nm
Assembly position	Any
Product weight	32.6 g
Housing colour	Black
Material housing	Wrought Aluminium 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