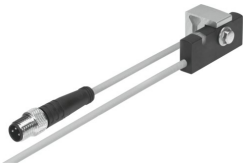
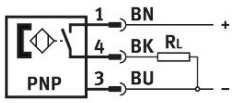
Proximity sensor
SMT-C1-PS-24V-K-0,3-M8D

Part number: 571342





Data sheet

Feature	Value
Design	Block design
Based on norm	EN 60947-5-2
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS compliant Halogen-free
Application note	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magneto-inductive
Ambient temperature	-20 °C...70 °C
Switching output	PNP
Switching element function	N.O. contact
Hysteresis	2 mm
On time	0.5 ms
Switch-off time	0.5 ms
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	1.8 V
Inductive protective circuit	Adapted to MZ, MY and ME coils
Minimum load current	0 mA
Residual current	0.1 mA
Short-circuit protection	Yes
Overload protection	Yes
Rated operating voltage DC	24 V
DC operating voltage range	10 V...30 V
Residual ripple	10%
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104

Feature	Value
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock Rotatable Compatible with rotatable/non-rotatable screw-type lock
Connection outlet orientation	Longitudinal
Material of pin contacts	Gold-plated brass
Material of screw-type lock	Brass, nickel-plated
Cable length	0.3 m
Color cable sheath	Gray
Material of cable sheath	TPE-O
Type of mounting	Clamped
Tightening torque	1.2 Nm
Mounting position	Any
Product weight	24.4 g
Housing colour	Black
Housing material	Wrought aluminum alloy PP TPE-O TPE-U(PU) high-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-20 °C...70 °C
Degree of protection	IP65 IP68 As per IEC 60529
LABS (PWIS) conformity	VDMA24364-B2-L
For use in the food industry	See supplementary material information