

Proximity sensor SMT-8-SL-PS-LED-24-B

Part number: 562019

FESTO



Data sheet

Feature	Value
Design	For T-slot
Based on norm	EN 60947-5-2
Certification	RCM compliance mark c UL us - Listed (OL)
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
Certificate issuing authority	UL E232949
Note on materials	RoHS compliant
Application note	https://www.festo.com/Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-20 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	PNP
Switching element function	N.O. contact
On time	1 ms
Switch-off time	2 ms...6 ms
Max. switching frequency	140 Hz
Max. output current	100 mA
Max. switching capacity DC	3 W
Voltage drop	2 V
Inductive protective circuit	Adapted to MZ, MY and ME coils
Minimum load current	0.1 mA
Residual current	2 µA
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

Feature	Value
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock not rotatable Compatible with snap-locking Compatible with rotatable screw-type lock
Connection outlet orientation	Longitudinal
Material of pin contacts	Gold-plated brass
Material of screw-type lock	high-alloy stainless steel
Type of mounting	Screwed on Can be inserted in slot lengthwise
Tightening torque	0.12 Nm...0.4 Nm
Max. tightening torque	0.4 Nm
Mounting position	Any
Product weight	4.2 g
Housing colour	Black
Housing material	PA high-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L