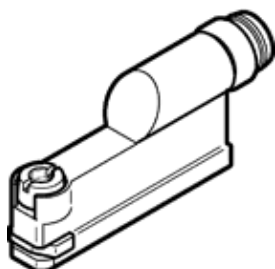


proximity sensor SMT-8-SL-PS-LED-24-B

Part number: 562019

FESTO

Magnetic, contactless, for T-slot.



Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
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
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	Magneto-resistive
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	2 ... 6 ms
Max. switching frequency	140 Hz
Max. output current	100 mA
Max. contact rating DC	3 W
Voltage drop	≤ 2 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Minimum load current	0.1 mA
Residual current	< 0.002 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	Plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Mounting type	Tightened Insertable into slot lengthwise
Tightening torque	0.12 ... 0.4 Nm
Max. tightening torque	0.4 Nm
Assembly position	Any
Product weight	4.2 g
Housing colour	Black

Feature	Value
Material housing	PA
Operating status display	Yellow LED
Protection class	IP65 IP68
PWIS conformity	VDMA24364-B2-L