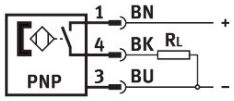
Proximity sensor
SMT-8-SL-PS-LED-24-B

Part number: 562019





Data sheet

Feature	Value
Design	For T-slot
Based on standard	EN 60947-5-2
Approval	RCM c UL us - Listed (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with 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
Instructions on use	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
Switch-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, ME coils
Min. load current	0.1 mA
Off-state current	2 µA
Short circuit current rating	Yes
Overload protection	Yes
Rated operational voltage DC	24 V
Operational voltage range DC	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, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Connection outlet orientation	In-line
Material electrical contact	Gold-plated brass
Material screw-type lock	High-alloy stainless steel
Type of mounting	Screw-clamped Inserted into the 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
Material housing	PA High-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L