Proximity sensor
SME-10M-ZS-24V-E-2,5-L-OE

Part number: 551369
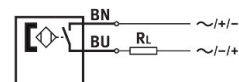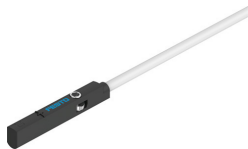
Data sheet

Feature	Value
Design	For C-slot
Conforms to standard	EN 60947-5-2
Approval	RCM trademark
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
Special characteristics	Oil resistant
Note on materials	RoHS-compliant Free of halogen
Instructions on use	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-40 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	Contacting, bipolar
Switching element function	N/O contact
Switch-on time	1.2 ms
Switch-off time	1 ms
Max. switching frequency	50 Hz
Max. output current	100 mA
Max. output current using mounting kits	50 mA
Max. switching capacity AC	3 VA
Max. switching capacity DC	3 W
Max. switching capacity DC using mounting kits	1.5 W
Max. switching capacity AC using mounting kits	1.5 VA
Voltage drop	4.5 V
Short circuit current rating	no
Overload protection	Not available
Rated operational voltage DC	24 V
Operational voltage range AC	5 V...30 V
Operational voltage range DC	5 V...30 V

Feature	Value
Reverse polarity protection	Bipolar
Electrical connection 1, connection type	Cable
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	2
Connection outlet orientation	In-line
Test conditions cable	Bending strength: to Festo standard Test conditions on request Torsional strength: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Cable length	2.5 m
Cable characteristic	Suitable for energy chains/robot applications
Material cable sheath	TPE-U(PUR)
Type of mounting	Screw-clamped Insertable in the slot from above
Max. tightening torque	0.4 Nm
Mounting position	optional
Product weight	14.6 g
Material housing	PA-reinforced High-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with moving cable	-20 ºC...70 ºC
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L