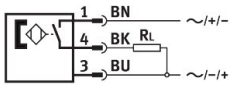
Proximity sensor
SME-8M-DS-24V-K-0,3-M8D

Part number: 543861





Data sheet

Feature	Value
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
Special features	Oil-resistant
Note on materials	RoHS compliant
Application note	https://www.festo.com/Drive-Sensor-Overview
Measuring principle	Magnetic reed
Ambient temperature	-40 °C...70 °C
Switching output	Contact-based, bipolar
Switching element function	N.O. contact
Max. output current	500 mA
Max. output current in mounting kits	80 mA
Min. switching capacity AC	10 VA
Max. switching capacity DC	10 W
Max. switching capacity DC in mounting kits	2.4 W
Max. switching capacity AC in mounting kits	2.4 VA
Voltage drop	1.17 V
Short-circuit protection	No
Overload protection	Not available
Operating voltage range AC	5 V...30 V
DC operating voltage range	5 V...30 V
Reverse polarity protection	No
Electrical connection 1, connection type	Cable with 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	Screw-type lock Rotatable Compatible with rotatable/non-rotatable screw-type lock
Connection outlet orientation	Longitudinal
Material of pin contacts	Gold-plated copper alloy

Feature	Value
Material of plug housing	TPE-U(PU)
Material of screw-type lock	Brass, nickel-plated
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Energy chain: > 5 million cycles, bending radius 75 mm
Cable length	0.3 m
Cable characteristic	Standard/suitable for energy chains
Material of cable sheath	TPE-U(PUR)
Type of mounting	Screwed on Can be inserted in slot from above
Product weight	8.9 g
Housing material	PA high-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C...70 °C
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L