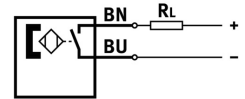


Proximity sensor SME-8-ZS-KL-LED-24

Part number: 171169

FESTO



[PDF](#) [General operating condition](#)

Data sheet

Feature	Value
Design	for T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991144
Certification	RCM compliance mark
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
Note on materials	RoHS-compliant
Application note	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-40 °C ... 60 °C
Repetition accuracy	0.2 mm
Switching output	Contact-based, bipolar Without LED function
Switching element function	N/O contact
On time	≤0.5 ms
Switch-off time	0.03 ms
Max. switching frequency	800 Hz
Max. output current	80 mA
Max. switching capacity DC	2.16 W
Voltage drop	≤3.5 V
Short-circuit protection	no
Overload protection	Not available
DC operating voltage range	12 V ... 27 V
Reverse polarity protection	no
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	2
Connection outlet orientation	Longitudinal
Cable length	2.5 m
Color cable sheath	Gray
Material of cable sheath	TPE-U(PUR)
Type of mounting	Clamped in T slot Can be inserted in slot lengthwise
Tightening torque	0.2 Nm

Feature	Value
Mounting position	Any
Product weight	27.9 g
Housing colour	Black
Housing material	Epoxy resin PC PET High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 60 °C
Degree of protection	IP67
Insulation voltage	50 V
Surge resistance	0.8 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3