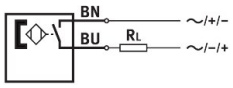
Proximity sensor
SME-8-K-LED-230

Part number: 152820





Data sheet

Feature	Value
Design	For T-slot
Conforms to standard	EN 60947-5-2
Certification	CCC RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK instructions for electrical equipment
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	-30 °C...60 °C
Repetition accuracy	0.2 mm
Switching output	Contact-based, bipolar
Switching element function	N.O. contact
Reproducibility of switching value	+/- 0.1 mm
On time	2 ms
Switch-off time	0.03 ms
Max. switching frequency	500 Hz
Max. output current	120 mA
Min. switching capacity AC	10 VA
Max. switching capacity DC	10 W
Voltage drop	3.9 V
Inductive protective circuit	Adapted to MZ, MY and ME coils
Minimum load current	5 mA
Residual current	0 mA
Short-circuit protection	No
Overload protection	Not available
Operating voltage range AC	3 V...230 V
DC operating voltage range	3 V...230 V

Feature	Value
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
Mounting position	Any
Product weight	39 g
Housing colour	Black
Housing material	Epoxy PET high-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C...60 °C
Degree of protection	IP68
Insulation voltage	2500 V
Surge resistance	4 kV
Vibration resistance to DIN/IEC 68 Part 2-6	Tested as per severity level 2
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested as per severity level 2
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3