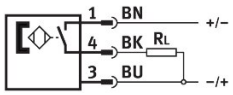
Proximity sensor
SME-8-S-LED-24

Part number: 150857





General operating condition

Data sheet

Feature	Value
Design	For T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991148
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 ... 70 °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	0.5 ms
Switch-off time	0.03 ms
Max. switching frequency	800 Hz
Max. output current	500 mA
Min. switching capacity AC	10 VA
Max. switching capacity DC	10 W
Inductive protective circuit	Adapted to MZ, MY and ME coils
Short-circuit protection	No
Overload protection	Not available
Operating voltage range AC	12 V ... 30 V
DC operating voltage range	12 V ... 30 V
Reverse polarity protection	No
Electrical connection 1, connection type	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	Snap-locking Screw-type lock not rotatable
Electrical connection 1, type of mounting	Compatible with snap-locking Compatible with rotatable screw-type lock

Feature	Value
Electrical connection for input 1, connection pattern	00991155
Connection outlet orientation	Longitudinal
Material of pin contacts	Brass Nickel-plated
Material of plug housing	TPE-U(PU)
Cable length	0.3 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	8 g
Housing colour	Black
Housing material	Epoxy PC PET high-alloy stainless steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP67
Insulation voltage	50 V
Surge resistance	0.8 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3