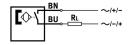
Proximity sensor SMEO-1-LED-230-B

Part number: 151671







General operating condition

Data sheet

Design Conforms to standard EN 60947-5-2 Symbol O0991624 Approval RCM trademark CE mark (see declaration of conformity) To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive To UK instructions for EMC To UK Reyslations for electrical equipment Note on materials RoHS-compliant Measured variable Position Measuring principle Ambient temperature -20 ° C 70 ° C Repetition accuracy O.2 mm Switching element function Switch-on time O.5 ms Switch-on time O.5 ms Switch-off time O.03 ms Meas. switching frequency Meas. output current AC Daws Meas. output current BC Meas. output current BC Meas. output current BC Meas. output current BC Daws Daws Daws Daws Daws Daws Daws Daws	Feature	Value
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Approval RCM trademark CE mark (see declaration of conformity) To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In Use RoHS instructions for EMC To UK Reith Sinstructions To UK regulations for electrical equipment Note on materials ROHS-compliant Measured variable Measuring principle Magnetic reed Ambient temperature -20°C70°C Repetition accuracy 0.2 mm Switching output Contacting, bipolar Switching element function N/O contact Switch-on time 0.5 ms Switch-on time 0.5 ms Switch-on time 0.0.3 ms Max. switching frequency Max. output current AC 250 mA Max. output current AC Max. output current AC Max. witching capacity AC Max. witching capacity AC Max. Switching capacity AC Max. Switching capacity DC Voltage drop 4.4.5 V Off-state current OmA Short circuit current rating No condact Overload protection Not available Operational voltage range AC Operational voltage range AC Operational voltage range DC Reverse polarity protection Not available Electrical connection 1, connection type Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Conforms to standard	EN 60947-5-2
CE mark (see declaration of conformity) CE marking (see declaration of conformity) To EU EMC Directive To EU Low Voltage Directive In accordance with EU ROHS Directive CE marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions To UK regulations for electrical equipment Note on materials RoHS-compliant Measured variable Position Measuring principle Ambient temperature -20 °C 70 °C Repetition accuracy O.2 mm Switching output Switching element function N/O contact Switch-off time 0.5 ms Switch-off time 0.03 ms Max. switching frequency Max. output current AC Aba. output current DC 120 mA Max. output current DC 120 mA Max. switching capacity AC 40 VA Max. switching capacity DC Voltage drop 3-6.5 V Off-state current O mA Overload protection Not available Operational voltage range AC Operational voltage range AC Operational voltage range DC Reverse polarity protection In-line In-line	Symbol	00991624
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Measured variable Position Measuring principle Magnetic reed Ambient temperature -20 °C 70 °C Repetition accuracy 0.2 mm Switching output Contacting, bipolar Switching element function N/O contact Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current AC 250 mA Max. output current DC 120 mA Max. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop 44.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	CE marking (see declaration of conformity)	To UK RoHS instructions
Measuring principle Magnetic reed Ambient temperature -20 °C 70 °C Repetition accuracy 0.2 mm Switching output Contacting, bipolar Switching element function N/O contact Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current AC 250 mA Max. output current DC 120 mA Max. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop \$4.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no Electrical connection 1, connection type Cable Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Note on materials	RoHS-compliant
Ambient temperature -20 °C 70 °C Repetition accuracy 0.2 mm Switching output Contacting, bipolar Switching element function N/O contact Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current AC 250 mA Max. output current DC 120 mA Max. switching capacity AC Max. switching capacity AC 40 VA Max. switching capacity DC Voltage drop 44.5 V Off-state current OmA Short circuit current rating no Overload protection Operational voltage range AC Operational voltage range DC Reverse polarity protection Included Cable Electrical connection 1, connection type Electrical connection 1, connection system Open end Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Measured variable	Position
Repetition accuracy Switching output Contacting, bipolar Switching element function N/O contact Switch-on time O.5 ms Switch-off time O.03 ms Max. switching frequency Max. output current AC Max. output current DC Max. switching capacity AC Max. switching capacity AC Move and the suit of the su	Measuring principle	Magnetic reed
Switching output Switching element function N/O contact Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency Max. output current AC Max. output current DC 120 mA Max. switching capacity AC Max. switching capacity AC Max. switching capacity DC Voltage drop S4.5 V Off-state current O mA Short circuit current rating no Overload protection Not available Operational voltage range AC Operational voltage range DC Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection system Open end Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Ambient temperature	-20 °C 70 °C
Switching element function N/O contact Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency Max. output current AC 250 mA Max. output current DC 120 mA Max. switching capacity AC Max. switching capacity DC Voltage drop S4.5 V Off-state current OmA Short circuit current rating no Overload protection Operational voltage range AC Operational voltage range DC Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Repetition accuracy	0.2 mm
Switch-on time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current AC 250 mA Max. output current DC 120 mA Max. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop \$4.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Switching output	Contacting, bipolar
Switch-off time Max. switching frequency Max. output current AC Max. output current DC Max. output current DC 120 mA Max. switching capacity AC Max. switching capacity DC Voltage drop 44.5 V Off-state current O mA Short circuit current rating no Overload protection Not available Operational voltage range AC Operational voltage range DC Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Switching element function	N/O contact
Max. switching frequency Max. output current AC Max. output current DC Max. output current DC Max. switching capacity AC Max. switching capacity DC Voltage drop Selectrical connection 1, connector system Electrical connection 1, number of connections/cores 250 mA Max. switching capacity AC 40 VA 40 VA 40 W Voltage drop Selectrical current O mA Short circuit current rating no Overload protection Not available 5 V 250 V Operational voltage range AC 5 V 250 V Cable Electrical connection 1, connector system Open end Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Switch-on time	0.5 ms
Max. output current AC Max. output current DC 120 mA Max. switching capacity AC 40 VA Max. switching capacity DC Voltage drop 94.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC Reverse polarity protection Electrical connection 1, connector system Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Switch-off time	0.03 ms
Max. output current DC Max. switching capacity AC Max. switching capacity DC Voltage drop Gef-state current OmA Short circuit current rating Overload protection Operational voltage range AC Operational voltage range DC Reverse polarity protection Electrical connection 1, connector system Electrical connection 1, number of connections/cores Connection outlet orientation In-line	Max. switching frequency	500 Hz
Max. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop ≤4.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no 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	Max. output current AC	250 mA
Max. switching capacity DC 40 W Voltage drop ≤4.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no 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	Max. output current DC	120 mA
Voltage drop ≤4.5 V Off-state current 0 mA Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no 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	Max. switching capacity AC	40 VA
Off-state current Short circuit current rating no Overload protection Not available Operational voltage range AC Operational voltage range DC Reverse polarity protection 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	Max. switching capacity DC	40 W
Short circuit current rating no Overload protection Not available Operational voltage range AC 5 V 250 V Operational voltage range DC 5 V 200 V Reverse polarity protection no 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	Voltage drop	≤4.5 V
Overload protection Operational voltage range AC Operational voltage range DC S V 250 V Operational voltage range DC Reverse polarity protection 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	Off-state current	0 mA
Operational voltage range AC Operational voltage range DC S V 250 V Reverse polarity protection 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	Short circuit current rating	no
Operational voltage range DC 5 V 200 V Reverse polarity protection no 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	Overload protection	Not available
Reverse polarity protection no 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	Operational voltage range AC	5 V 250 V
Electrical connection 1, connection type Electrical connection 1, connector system Open end Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Operational voltage range DC	5 V 200 V
Electrical connection 1, connector system Open end Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Reverse polarity protection	no
Electrical connection 1, number of connections/cores 2 Connection outlet orientation In-line	Electrical connection 1, connection type	Cable
Connection outlet orientation In-line	Electrical connection 1, connector system	Open end
	Electrical connection 1, number of connections/cores	2
Cable length 2.5 m	Connection outlet orientation	In-line
l	Cable length	2.5 m
Cable sheath colour grey	Cable sheath colour	grey

Feature	Value
Material cable sheath	PVC
Type of mounting	With accessories
Tightening torque	2.9 Nm
Mounting position	optional
Product weight	100 g
Housing colour	Black
Material housing	Epoxy resin PC PET Steel TPE-O Die-cast zinc
Switching status indication	Yellow LED
Ambient temperature with moving cable	-5 °C 70 °C
Degree of protection	IP67
Immunity to surge	4 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Pollution degree	3