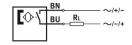
Proximity sensor SMEO-1-S6-C

Part number: 151673







General operating condition

Data sheet

Expension Expens	Feature	Value
Symbol CE marking (see declaration of conformity) As per EU BMC directive As per EU low voltage directive As per EU low voltage directive As per EU low voltage directive To UK RoHS instructions for EMC To UK RoHS instructions for UV instructions for EMC To UK RoHS instructions for electrical equipment Note on materials RoHS-compliant Measured variable Position Measuring principle Magnetic reed Ambient temperature Job °C 120 °C Repetition accuracy O. 2 mm Switching element function N/O contact Switching element function N/O contact On time O.5 ms Switching frequency So0 Hz Max. switching frequency Max. switching frequency Min. switching repacity AC Ao VA Max. switching capacity AC Ao VA Max. switching capacity DC Voltage drop So V Residual current O mA Short-circuit protection No toward protection No coverload protection No available Operating voltage range OV 250 V DC operating voltage range OV 250 V DC operating voltage range Co OV 250 V DC operating voltage range Connection 1, connection technology Open end Electrical connection 1, unmber of pins/wires Cable length Color cable sheath Material of cable sheath TPE-S	Design	Block design
Et marking (see declaration of conformity) Et 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 10 UK ROHS instructions To UK instructions for electrical equipment Note on materials ROHS-compliant Measured variable Position Measuring principle Magnetic reed Ambient temperature 5:0° C 120° C Repetition accuracy 0.2 mm Switching output Contact-based, bipolar Switching output Contact-based, bipolar Switching element function N/O contact On time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current 1000 mA Min. switching capacity AC Max. switching capacity DC Voltage drop 40 V Voltage drop 50 V Residual current 0 mA Short-circuit protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range AC 0 V 250 V DC operating voltage range Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Color cable sheath TPE-S	Conforms to standard	EN 60947-5-2
As per EU low voltage directive As per EU now voltage directive As per EU ROHS 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 Measured variable Position Measuring principle Magnetic reed Ambient temperature Position Magnetic reed Magnetic reed Magnetic reed Ambient temperature Position Magnetic reed Magnetic reed Ambient temperature Position Magnetic reed Magnetic ree	Symbol	00991624
To UK RoHS instructions To UK instructions for electrical equipment Note on materials RoHS-compliant Measured variable Measuring principle Measuring principle Magnetic reed Ambient temperature -50 °C 120 °C Repetition accuracy 0.2 mm Switching output Contact-based, bipolar Switching element function N/O contact On time 0.5 ms Switch off time 0.03 ms Max. switching frequency 500 Hz Max. switching frequency Max. output current 1000 mA Min. switching capacity AC 40 VA Max. switching capacity DC Voltage drop so V Residual current 0 mA Short-circuit protection Not available Operating voltage range AC OC operating voltage range AC OC operating voltage range OV 250 V Coperating voltage range OV 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Dependent Cable Electrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Cable sheath FPE-S	CE marking (see declaration of conformity)	As per EU low voltage directive
Measured variable Position Measuring principle Magnetic reed Ambient temperature -50 °C 120 °C Repetition accuracy 0.2 mm Switching output Contact-based, bipolar Switching element function N/O contact On time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current 1000 mA Min. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop 50 V Residual current 0 mA Short-circuit protection no Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range AC 0 V 250 V DC operating voltage range AC 0 V 200 V Reverse polarity protection no Electrical connection 1, connection type Cable Electrical connection 1, connection type Cable Electrical connection 1, number of pins/wires 2 Connection outlet orientation Longitudinal Cable length Cable sheath FPE-S	UKCA marking (see declaration of conformity)	To UK RoHS instructions
Magnetic reed Ambient temperature .50 °C 120 °C Repetition accuracy 250 °C 120 °C Switching output 250 °C 250 °C Switching element function 250 °C On time 250 °C O	Note on materials	RoHS-compliant
Ambient temperature Repetition accuracy Switching output Contact-based, bipolar N/O contact On time O.5 ms Switch-off time O.3 ms Max. switching frequency Max. output current Min. switching capacity AC Max. switching capacity AC Max. switching capacity DC Voltage drop Residual current O mA Short-circuit protection Overload protection Operating voltage range AC OC operating voltage range OV 250 V Reverse polarity protection Reverse polarity protection Decention on o Electrical connection 1, connection type Electrical connection 1, connection technology Denetic on outlet orientation Cable length Cable length Cable sheath Material of cable sheath TPE-S	Measured variable	Position
Repetition accuracy Switching output Contact-based, bipolar Switching element function N/O contact On time 0.5 ms Switch-off time 0.3 ms Max. switching frequency Max. output current 1000 mA Min. switching capacity AC 40 W Woltage drop Residual current 0 mA Short-circuit protection Overload protection Not available Operating voltage range AC OV 250 V Reverse polarity protection Decepting voltage range Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Color cable sheath Material of cable sheath TPE-S	Measuring principle	Magnetic reed
Switching output Contact-based, bipolar N/O contact On time O.5 ms Switch-off time O.3 ms Max. switching frequency Max. output current 1000 mA Min. switching capacity AC Max. switching capacity DC Voltage drop Residual current O mA Short-circuit protection Overload protection Overload protection Operating voltage range AC DC operating voltage range O V 250 V DC operating voltage range Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, number of pins/wires Cable length Cable length Cable sheath Material of cable sheath TPE-S	Ambient temperature	-50 ℃ 120 ℃
Switching element function On time O.5 ms Switch-off time O.03 ms Max. switching frequency So0 Hz Max. output current 1000 mA Min. switching capacity AC 40 VA Max. switching capacity DC 40 W Voltage drop So V Residual current O mA Short-circuit protection Overload protection Operating voltage range AC DC operating voltage range OV 250 V DC operating voltage range OV 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Cable sheath Material of cable sheath TPE-S	Repetition accuracy	0.2 mm
On time 0.5 ms Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current 1000 mA Min. switching capacity AC 40 W Woltage drop 50 V Residual current 0 mA Short-circuit protection no Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range NC DC operating voltage range	Switching output	Contact-based, bipolar
Switch-off time 0.03 ms Max. switching frequency 500 Hz Max. output current 1000 mA Min. switching capacity AC 40 VA Max. switching capacity DC Voltage drop Residual current 0 mA Short-circuit protection Not available Operating voltage range AC DC operating voltage range 0 V 250 V DC operating voltage range 0 V 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Dene end Electrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Cable sheath Material of cable sheath TPE-S	Switching element function	N/O contact
Max. switching frequency Max. output current 1000 mA 40 VA Max. switching capacity AC 40 W Voltage drop Residual current 0 mA Short-circuit protection Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range 0 V 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Defined on technology Open end Electrical connection 1, number of pins/wires 2 Connection outlet orientation Longitudinal Cable length Color cable sheath Material of cable sheath TPE-S	On time	0.5 ms
Max. output current Min. switching capacity AC Max. switching capacity DC Voltage drop Residual current O mA Short-circuit protection Overload protection Operating voltage range AC DC operating voltage range OV 250 V Reverse polarity protection no Cable Electrical connection 1, connection type Cable Clectrical connection 1, number of pins/wires 2 Connection outlet orientation Cable length Cable sheath Material of cable sheath TPE-S	Switch-off time	0.03 ms
Min. switching capacity AC Max. switching capacity DC Voltage drop Residual current O mA Short-circuit protection Not available Operating voltage range AC O V 250 V DC operating voltage range OV 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, number of pins/wires Connection outlet orientation Cable length Cable sheath Material of cable sheath TPE-S	Max. switching frequency	500 Hz
Max. switching capacity DC Voltage drop Residual current O mA Short-circuit protection Overload protection Not available Operating voltage range AC O V 250 V DC operating voltage range O V 200 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 Cable sheath Gray Material of cable sheath TPE-S	Max. output current	1000 mA
Voltage drop Residual current O mA Short-circuit protection Overload protection Not available Operating voltage range AC O V 250 V DC operating voltage range O V 200 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 Cable sheath Gray Material of cable sheath TPE-S	Min. switching capacity AC	40 VA
Residual current 0 mA Short-circuit protection no Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range 0 o V 200 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 Color cable sheath Gray Material of cable sheath TPE-S	Max. switching capacity DC	40 W
Short-circuit protection no Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range 0 O V 200 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-S	Voltage drop	≤0 V
Overload protection Not available Operating voltage range AC 0 V 250 V DC operating voltage range 0 V 200 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-S	Residual current	0 mA
Operating voltage range AC O V 250 V DC operating voltage range O V 200 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 2 Connection outlet orientation Longitudinal Cable length Color cable sheath Material of cable sheath TPE-S	Short-circuit protection	no
DC operating voltage range 0 V 200 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-S	Overload protection	Not available
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-S	Operating voltage range AC	0 V 250 V
Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 2 Connection outlet orientation Longitudinal Cable length Color cable sheath Gray Material of cable sheath TPE-S	DC operating voltage range	0 V 200 V
Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Connection outlet orientation Cable length Color cable sheath Material of cable sheath FPE-S Open end Longitudinal 2.5 m Gray TPE-S	Reverse polarity protection	no
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-S	Electrical connection 1, connection type	Cable
Connection outlet orientation Cable length Color cable sheath Material of cable sheath Connection outlet orientation Longitudinal 2.5 m Gray TPE-S	Electrical connection 1, connection technology	Open end
Cable length 2.5 m Color cable sheath Gray Material of cable sheath TPE-S	Electrical connection 1, number of pins/wires	2
Color cable sheath Gray Material of cable sheath TPE-S	Connection outlet orientation	Longitudinal
Material of cable sheath TPE-S	Cable length	2.5 m
	Color cable sheath	Gray
Type of mounting With accessories	Material of cable sheath	TPE-S
	Type of mounting	With accessories

Feature	Value
Tightening torque	2.9 Nm
Mounting position	Any
Product weight	100 g
Housing colour	Black
Housing material	PC PET Steel TPE-O Die-cast zinc
Ambient temperature with flexible cable installation	-40 °C 120 °C
Degree of protection	IP67
Insulation voltage	250 V
Surge resistance	4 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3