Position sensor SRBS-Q12-6-E270-EP-1-S-M8 Part number: 2619969



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Data sheet

Feature	Value	
Type code	SRBS	
Electrical connection 1, type of mounting	Screw-type lock	
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104	
Electrical connection 1, connection type	Cable with plug	
Electrical connection for input 1, connection pattern	00991171	
KC characters	KC EMC	
Electrical connection 1, number of pins/wires	4	
Design	Round	
Based on norm	EN 60947-5-2	
Symbol	00995400	
Certification	RCM compliance mark c UL us - Listed (OL)	
CE marking (see declaration of conformity)	As per EU EMC directive	
Special features	Oil-resistant	
Note on materials	RoHS-compliant Halogen-free	
Measured variable	Rotation angle	
Measuring principle	Magnetic Hall	
Sensing range	>270 deg	
Ambient temperature	-20 °C 70 °C	
Typical sampling interval	3 ms	
Switching output	2 x PNP or 2 x NPN switchable	
Switching element function	N/C contact/N/O contact switchable	
Switching point reproducibility	<= 1 °	
On time	<4 ms	
Switch-off time	<4 ms	
Max. switching frequency	125 Hz	
Max. output current	50 mA	
Max. switching capacity DC	1.5 W	
Voltage drop	<1 V	
Short-circuit protection	yes	
Overload protection	Available	
Rated operating voltage DC	24 V	
DC operating voltage range	10 V 30 V	
Residual ripple	10 %	
Reverse polarity protection	for all electrical connections	

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Feature	Value	
Connection outlet orientation	Longitudinal	
Material of pin contacts	Copper alloy Gold-plated	
Connector cable test conditions	Flexural strength: as per Festo standard Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: > 300 000 cycles, ±270°/0.1 m	
Cable length	0.3 m	
Cable characteristic	Suitability for energy chains/robot applications	
Color cable sheath	Gray	
Material of cable sheath	TPE-U(PUR)	
Type of mounting	Screwed tightly	
Mounting position	Any	
Product weight	25 g	
Housing material	PA-reinforced Polyester	
Material of union nut	Brass, nickel-plated	
Film material	Polyester	
Switching status indication	LED yellow	
Setting options	Pushbutton	
Ambient temperature with flexible cable installation	-20 °C 70 °C	
Degree of protection	IP65 IP68	
Protection class	Ш	
Corrosion resistance class (CRC)	2 - Moderate corrosion stress	