SIEMENS

Data sheet 3SE5112-0CA00



BASIC SWITCH FOR POSITION SWITCH 3SE51, METAL ENCLOSURE, ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS W/O ACTUATOR HEAD

Product designation	basic switch for standard position schwitches
Manufacturer article number	
• of the supplied basic switch	3SE5112-0CA00
• of the supplied switching contacts	3SE5000-0CA00
• of the supplied empty enclosure with cover	3SE5112-0AA00

General technical data:	
Product function	
• positive opening	Yes
Insulation voltage	
• Rated value	400 V
Degree of pollution	class 3
Vibration resistance	
• acc. to IEC 60068-2-6	0.35 mm/5g
Surge voltage resistance Rated value	6 kV
Mechanical service life (switching cycles)	
• typical	15 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	100 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	6 A
Protection class IP	IP66/IP67

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Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
Active principle	mechanical
Repeat accuracy	0.05 mm
Explosion protection category for dust	none
Explosion protection category for gas	none
Minimum actuating force in activation direction	20 N
Operating current at AC-15	
• at 230 V Rated value	6 A
• at 400 V Rated value	4 A

Enclosure:

Design of the housing	block, narrow
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	Yes

Drive Head:

Design of the operating mechanism	without
Design of the switching function	Positive opening with appropriate positive opening actuator head

Connections/ Terminals:

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-section	
• solid	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded without core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• for AWG conductors	
— solid	1x (20 ... 16), 2x (20 ... 18)
— stranded	1x (20 ... 16), 2x (20 ... 18)

Mechanical data:

Cable entry type	1x (M20 x 1.5)

Communication/ Protocol:

Design of the interface	without

Ambient conditions:

Ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C

Installation/ mounting/ dimensions:

mounting position	any
Mounting type	screw fixing

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Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
CSA, UL, EAC	Type Examination Certificate	EG-Konf.	Special Test Certificate

other

Confirmation

Vibration Test Certificates

Further information

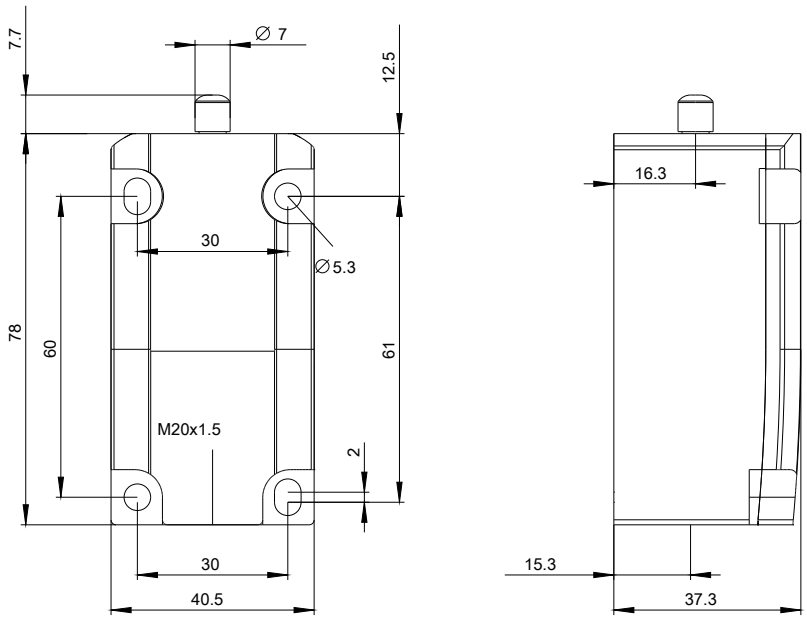
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