

SIRIUS POSITION SWITCH METAL HOUSING 40MM TO EN50041
DEVICE CONNECTION 1X (M20X1,5) 1NO/ 1NC SNAP-ACTION
CONTACTS ROLLER PLUNGER W. STAINL. STEEL ROLLER
13MM



Product designation	standard position switch
Manufacturer's article number	
• of the supplied basic switch	3SE5112-0CA00
• of the supplied actuator head for position switches	3SE5000-0AD02
• 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
Surge voltage resistance rated value	6 kV
Protection class IP	IP66/IP67
Shock resistance	
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	0.35 mm/5g

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	10 A
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
Continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	6 A
Active principle	mechanical
Repeat accuracy	0.05 mm
Minimum actuating force in activation direction	20 N
Operating current at AC-15	
• at 24 V rated value	6 A
• at 125 V rated value	6 A
• at 230 V rated value	6 A
• at 400 V rated value	4 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 230 V rated value	0.27 A
• at 400 V rated value	0.1 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	Roller plunger, high-grade steel roller
Standard-compliant actuator head	EN 50041, design C
Shape of the switch head	roller
Design of the switching function	positive opening

Connections/Terminals

Type of electrical connection	screw-type terminals
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Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• at AWG conductors solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 18)

Mechanical data

Cable entry type	1x (M20 x 1.5)
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Communication/ Protocol

Design of the interface	without
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Ambient conditions

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

Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw fixing

Certificates/approvals

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

Test Certificates	other
Special Test Certificate	Confirmation

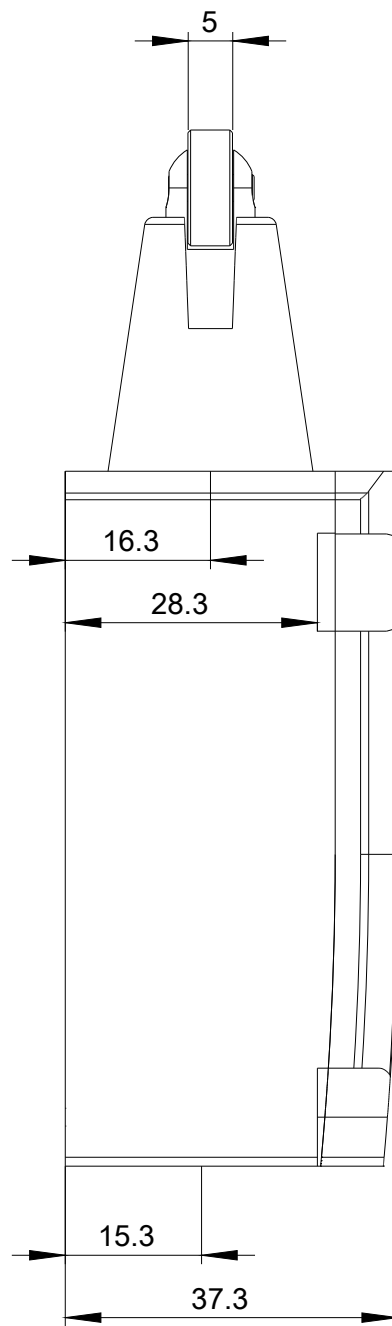
Further information

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CD02>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CD02>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CD02>





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