

SIRIUS POSITION SWITCH METAL ENCLOSURE 56MM WIDE
 DEVICE CONNECTION 3X (M20X1.5) 1NO/ 2NC SLOW-ACTION
 CONTACTS PLAIN PLUNGER METAL



Product designation	standard position switch
Manufacturer article number	
• of the supplied basic switch	3SE5122-0KA00
• of the supplied actuator head for position switches	3SE5000-0AB01
• of the supplied switching contacts	3SE5000-0KA00
• of the supplied empty enclosure with cover	3SE5122-0AA00

General technical data:

Product function	
• positive opening	Yes
Insulation voltage	
• rated value	400 V
Surge voltage resistance rated value	6 kV
Protection class IP	IP66/IP67
Degree of pollution	class 3
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	6 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
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	1.5 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

Enclosure:

Design of the housing	block, wide
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	No

Drive Head:

Standard-compliant actuator head	EN 50041, design B
Shape of the switch head	rounded
Design of the switching function	positive opening

Connections/ Terminals:

Type of electrical connection	screw-type terminals
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Mechanical data:

Cable entry type	3 x (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	 UL	 EG-Konf.
 CSA	 Baumusterprüfbescheinigung	

Test Certificates	other
spezielle Prüfbescheinigungen	Bestätigungen

Further information

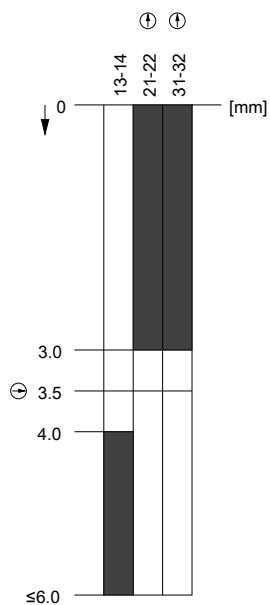
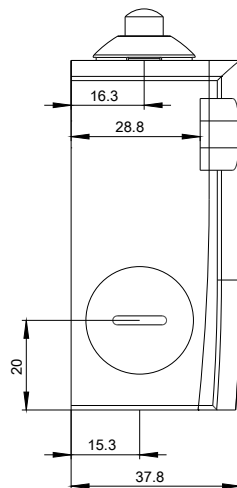
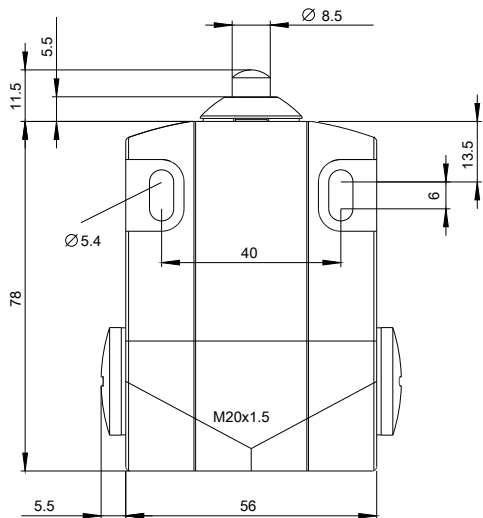
Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE51220KB01>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51220KB01>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SE51220KB01>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51220KB01&lang=en



last modified:

25.02.2016