

Basic switch for position switch 3SE5162 Metal enclosure XL, 56 mm wide Device connection 3x(M20 x 1.5) IP66/IP67 2 x (1 NO/1 NC) quick action contacts without actuator head



Product brand name	SIRIUS
Product designation	Mechanical safety switches
Product type designation	3SE5
Manufacturer's article number	<ul style="list-style-type: none"> <li>• of the supplied basic switch <a href="#">3SE5162-0CA00</a></li> <li>• of the supplied switching contacts 1x 3SE5000-0CA00, 1x 3SE5060-0CA00</li> <li>• of the supplied empty enclosure with cover <a href="#">3SE5162-0AA00</a></li> </ul>
Suitability for use safety switch	Yes

### General technical data

Product function	
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	Yes
Insulation voltage	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	400 V
Degree of pollution	class 3
Surge voltage resistance rated value	6 kV
Protection class IP	IP66/IP67
Shock resistance	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>	30 g / 11 ms
Vibration resistance	

• acc. to IEC 60068-2-6	0.35 mm/5g
<b>Mechanical service life (switching cycles)</b>	
• typical	5 000 000
<b>Electrical endurance (switching cycles)</b>	
• at AC-15 at 230 V typical	100 000
<b>Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	5 000 000
<b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>	6 000
<b>Thermal current</b>	10 A
<b>Material of the enclosure of the switch head</b>	metal
<b>Continuous current of the C characteristic MCB</b>	1 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the quick DIAZED fuse link</b>	10 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the DIAZED fuse link gG</b>	6 A
<b>Active principle</b>	mechanical
<b>Repeat accuracy</b>	0.05 mm
<b>Minimum actuating force in activation direction</b>	30 N
<b>Length of the sensor</b>	107.7 mm
<b>Width of the sensor</b>	56 mm
<b>Design of the switching contact</b>	mechanical
<b>Operating frequency rated value</b>	50 ... 60 Hz
<b>Number of NC contacts for auxiliary contacts</b>	2
<b>Number of NO contacts for auxiliary contacts</b>	2
<b>Number of CO contacts for auxiliary contacts</b>	1
<b>Operating current at AC-15</b>	
• at 24 V rated value	6 A
• at 125 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
<b>Operating current at DC-13</b>	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 A
<b>Design of the interface for safety-related communication</b>	without

## Enclosure

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

Drive Head	
Design of the operating mechanism	Other, without, basic switch
Design of the switching function	Positive opening with appropriate positive opening actuator head
Circuit principle	snap-action contacts
Number of switching contacts safety-related	2

Connections/Terminals	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• at AWG conductors solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 18)
Cable entry type	3 x (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
Explosion protection category for dust	none

Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw fixing

Certificates/approvals		
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General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 UL	 EG-Konf.
 CSA	 EAC	<a href="#">Type Examination Certificate</a>

Test Certificates	other
<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>

Further information
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**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=3SE5162-0CA00>

**Cax online generator**

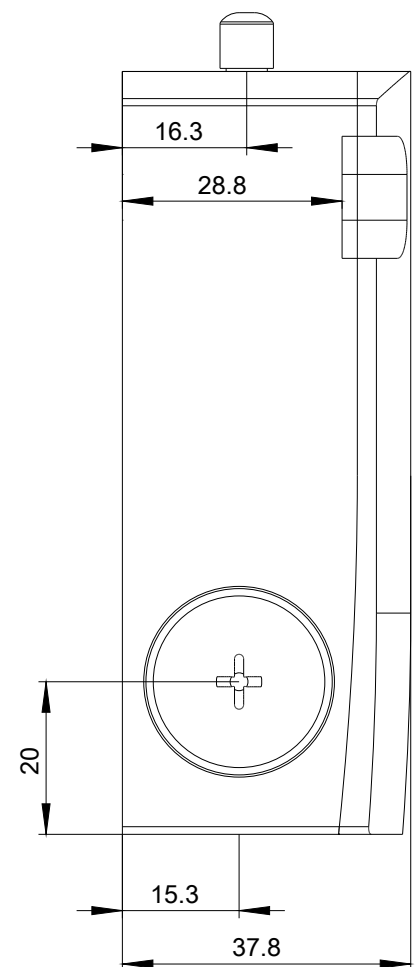
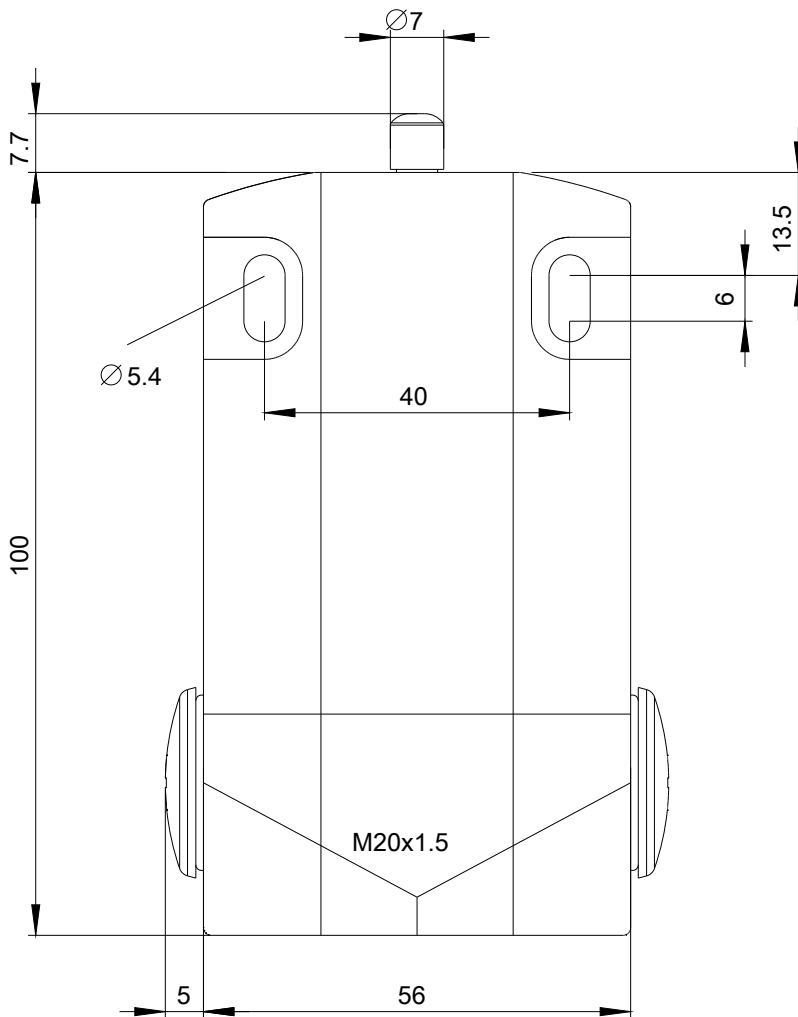
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CA00>

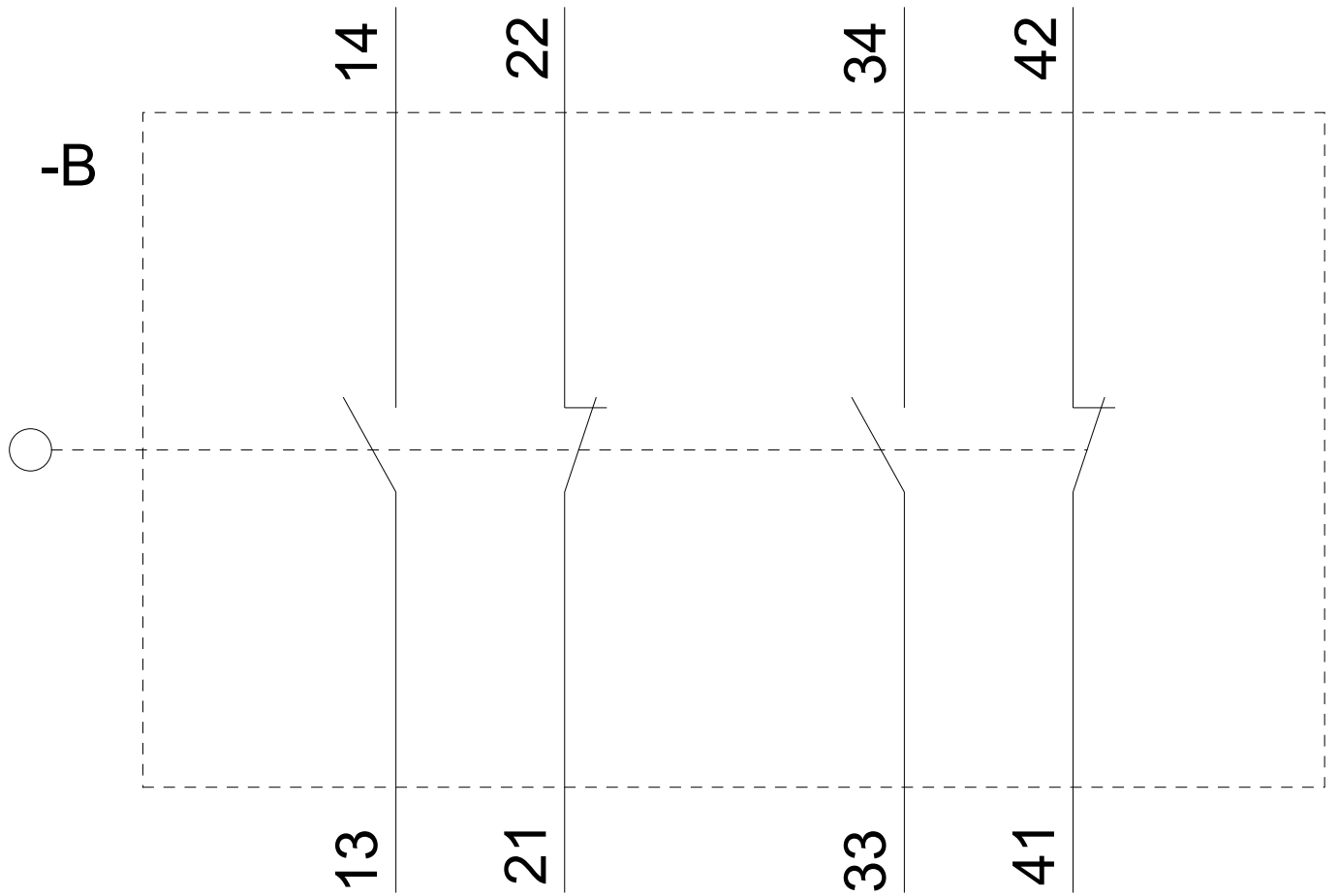
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CA00>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5162-0CA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CA00&lang=en)





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