

Safety position switch with tumbler Locking force 2600 N 5 directions of approaches Spring-locked Auxiliary release on front Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO Supplied without actuator. Actuator 3SE5000-0AV0. please order separately



product brand name	SIRIUS
product designation	Mechanical safety switches
design of the product	with separate actuator and with tumbler
product type designation	3SE5
manufacturer's article number	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing
<ul style="list-style-type: none"> <li>of the optional actuators</li> </ul>	
suitability for use safety switch	Yes

General technical data	
product function	Yes
<ul style="list-style-type: none"> <li>positive opening</li> </ul>	
insulation voltage	

<ul style="list-style-type: none"> <li>• rated value</li> </ul>	250 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	4 kV
<b>protection class IP</b>	IP66/IP67
<b>shock resistance</b>	30g / 11 ms
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>	30g / 11 ms
<b>vibration resistance</b>	0.35 mm / 5g
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>	0.35 mm/5g
<b>mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	1 000 000
<b>electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	1 000 000
<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>reference code acc. to IEC 81346-2</b>	B
<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; for a short-circuit current smaller than 400 A
<b>locking force</b>	2 600 N
<ul style="list-style-type: none"> <li>• acc. to DIN EN ISO 14119</li> </ul>	2 000 N
<b>repeat accuracy</b>	0.05 mm
<b>minimum actuating force in directions of actuation</b>	30 N
<b>length of the sensor</b>	185 mm
<b>width of the sensor</b>	54 mm
<ul style="list-style-type: none"> <li>• operational current at AC-15 at 24 V rated value</li> </ul>	6 A
<ul style="list-style-type: none"> <li>• operational current at AC-15 at 120 V rated value</li> </ul>	6 A
<ul style="list-style-type: none"> <li>• operational current at AC-15 at 240 V rated value</li> </ul>	3 A
<b>operational current at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> </ul>	3 A
<ul style="list-style-type: none"> <li>• at 125 V rated value</li> </ul>	0.55 A
<ul style="list-style-type: none"> <li>• at 250 V rated value</li> </ul>	0.27 A
design of the interface for safety-related communication	without
<b>Enclosure</b>	
<b>design of the housing</b>	special design
<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
<b>Drive Head</b>	
<b>design of the actuating element</b>	5 directions of approach
<b>design of the switching function</b>	positive opening
<b>number of directions of actuation</b>	5
<b>circuit principle</b>	slow-action contacts
<b>number of switching contacts safety-related</b>	4
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• at AWG cables solid</li> <li>• at AWG cables stranded</li> </ul>	<ul style="list-style-type: none"> <li>1x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.5 ... 0.75 mm<sup>2</sup>)</li> <li>1x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.5 ... 0.75 mm<sup>2</sup>)</li> <li>1x (20 ... 16), 2x (20 ... 18)</li> <li>1x (20 ... 16), 2x (20 ... 18)</li> </ul>
<b>Safety related data</b>	
<b>B10 value</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	1 000 000
<b>proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	20 %
<b>cable entry type</b>	3 x (M20 x 1.5)
<b>locking mechanism design</b>	spring-actuated lock (closed-circuit principle) with auxiliary release
<b>Communication/ Protocol</b>	
<b>design of the interface</b>	without
<b>Ambient conditions</b>	
<b>explosion protection category for dust</b>	none
<b>Supply voltage</b>	
<b>supply voltage of magnet coil</b>	24 V
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>Certificates/ approvals</b>	

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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CCC



CSA



UL



[Type Examination Certificate](#)

[Miscellaneous](#)

Declaration of Conformity	Test Certificates	other
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EG-Konf.

[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5312-0SD11>

**Cax online generator**

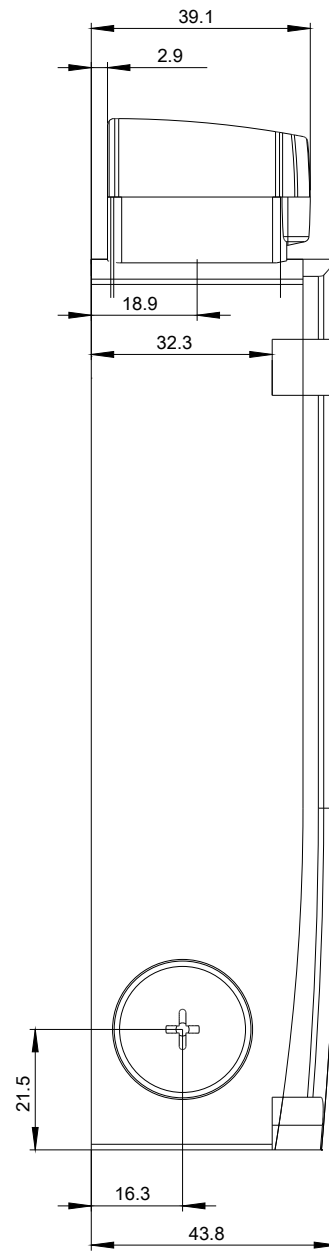
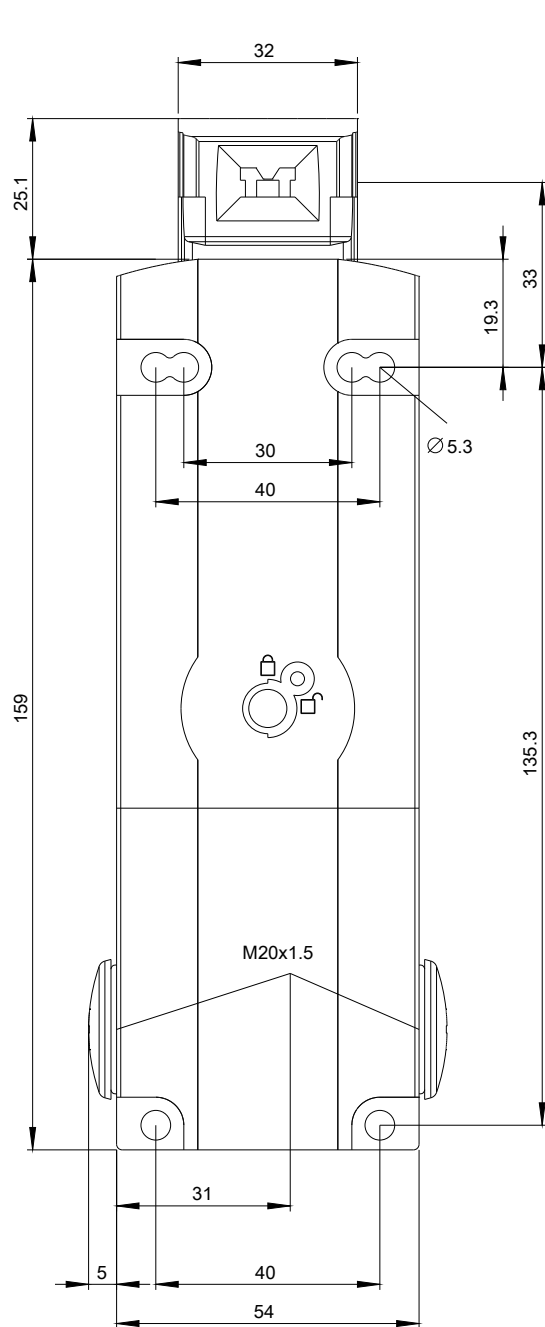
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5312-0SD11>

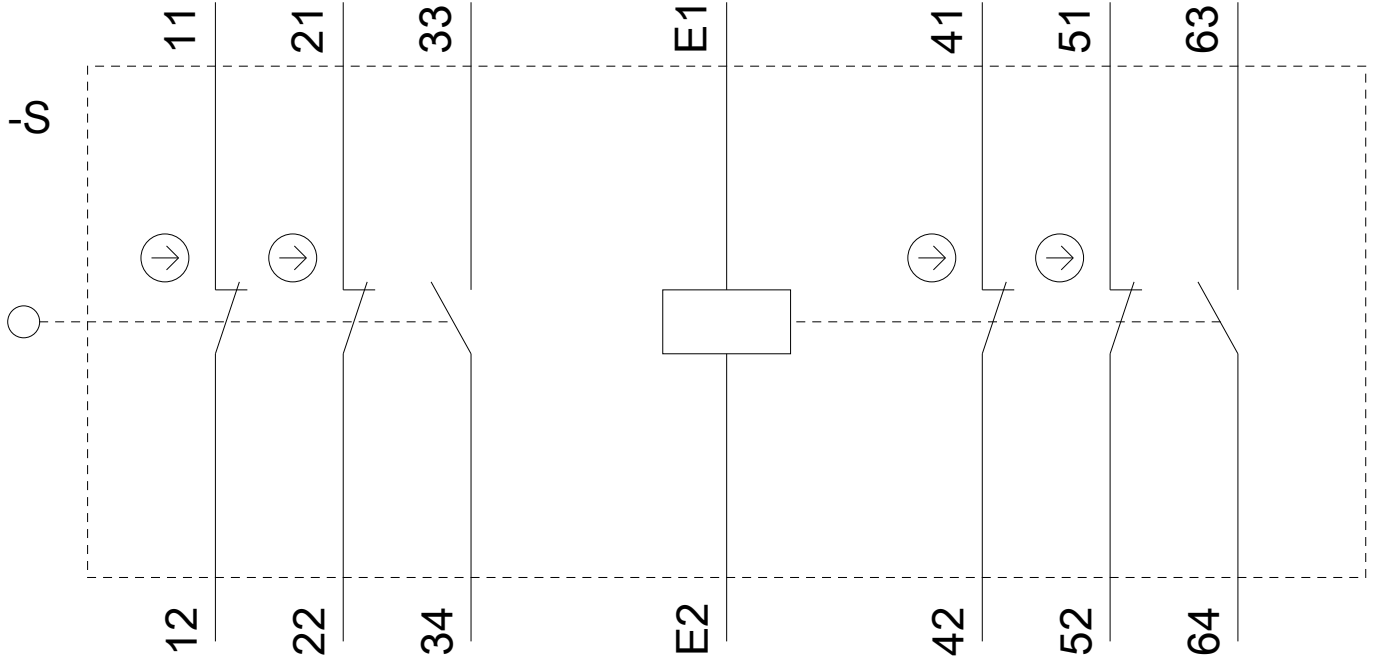
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

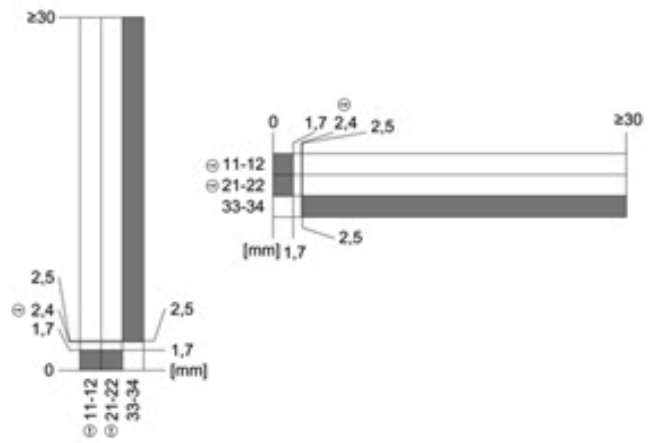
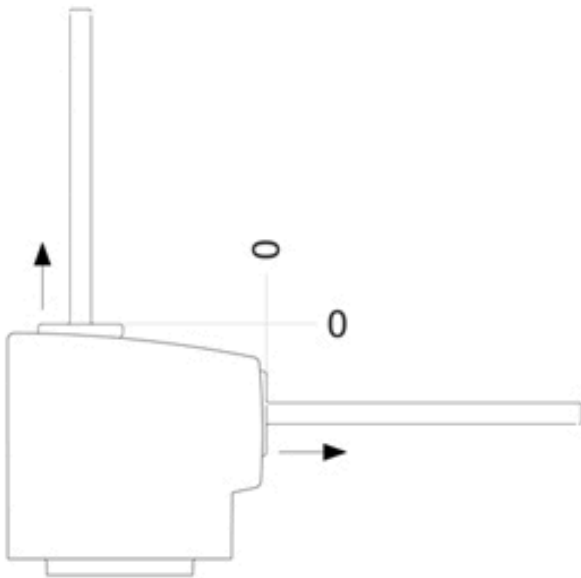
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5312-0SD11>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5312-0SD11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5312-0SD11&lang=en)







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