

Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Spring-locked Escape release from the rear and 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



<b>Product brand name</b>	SIRIUS
<b>Product designation</b>	Mechanical safety switches
<b>Design of the product</b>	with separate actuator and with tumbler
<b>Product type designation</b>	3SE5
<b>Manufacturer's article number</b>	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 fromright, 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>	
<b>Suitability for use safety switch</b>	Yes

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

• rated value	250 V
<b>Degree of pollution</b>	class 3
<b>Surge voltage resistance rated value</b>	4 kV
<b>Protection class IP</b>	IP65/IP67
<b>Shock resistance</b>	30g / 11 ms
• acc. to IEC 60068-2-27	30 g / 11 ms
<b>Vibration resistance</b>	0.35 mm / 5g
• acc. to IEC 60068-2-6	0.35 mm/5g
<b>Mechanical service life (switching cycles)</b>	
• typical	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>	plastic
<b>Reference code acc. to DIN EN 81346-2</b>	B
<b>Reference code acc. to DIN EN 61346-2</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>	1 300 N
• acc. to DIN EN ISO 14119	1 000 N
<b>Repeat accuracy</b>	0.05 mm
<b>Minimum actuating force in activation direction</b>	30 N
<b>Length of the sensor</b>	185 mm
<b>Width of the sensor</b>	54 mm
<b>Operating current at AC-15</b>	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	3 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
<b>Design of the interface for safety-related communication</b>	without

Enclosure	
<b>Design of the housing</b>	special design
<b>Material of the enclosure</b>	plastic
<b>Design of the housing acc. to standard</b>	No

Drive Head	
Design of the operating mechanism	5 directions of approach
Design of the switching function	positive opening
Number of actuation directions	5
Circuit principle	slow-action contacts
Number of switching contacts safety-related	4

Connections/ Terminals	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors solid</li> </ul>	1x (20 ... 16), 2x (20 ... 18)
<ul style="list-style-type: none"> <li>• at AWG conductors stranded</li> </ul>	1x (20 ... 16), 2x (20 ... 18)

Safety related data	
B10 value	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	1 000 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	20 %
Cable entry type	3 x (M20 x 1.5)
Locking mechanism design	spring-actuated lock (closed-circuit principle) with escape release from the back and auxiliary release from the front

Communication/ Protocol	
Design of the interface	without

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C
Explosion protection category for dust	none

Supply voltage	
Supply voltage of magnet coil	24 V

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
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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=3SE5322-0SG21>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5322-0SG21>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SG21>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5322-0SG21&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5322-0SG21&lang=en)





