

Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Solenoid-locked Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO The matching separate actuator 3SE5000-0AV0. must be ordered 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	<ul style="list-style-type: none"> <li>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</li> </ul>
<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	

• 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>	IP66/IP67
<b>shock resistance</b>	30g / 11 ms
• acc. to IEC 60068-2-27	30g / 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 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>	1 300 N
• acc. to DIN EN ISO 14119	1 000 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
• operational current at AC-15 at 24 V rated value	6 A
• operational current at AC-15 at 120 V rated value	6 A
• operational current at AC-15 at 240 V rated value	3 A
<b>operational 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
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>	plastic
<b>design of the housing acc. to standard</b>	No

Drive Head	
design of the actuating element	5 directions of approach
design of the switching function	positive opening
number of directions of actuation	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> <li>• finely stranded with core end processing</li> <li>• at AWG cables solid</li> <li>• at AWG cables stranded</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) 1x (20 ... 16), 2x (20 ... 18) 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>	50 %
cable entry type	3 x (M20 x 1.5)
locking mechanism design	magnetic field lock (open-circuit principle)

Communication/ Protocol	
design of the interface	without

Ambient conditions	
explosion protection category for dust	none

Supply voltage	
supply voltage of magnet coil	24 V

Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing

Certificates/ approvals	
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General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)

[Miscellaneous](#)

Declaration of Conformity	Test Certificates	other
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[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=3SE5322-0SB21>

**Cax online generator**

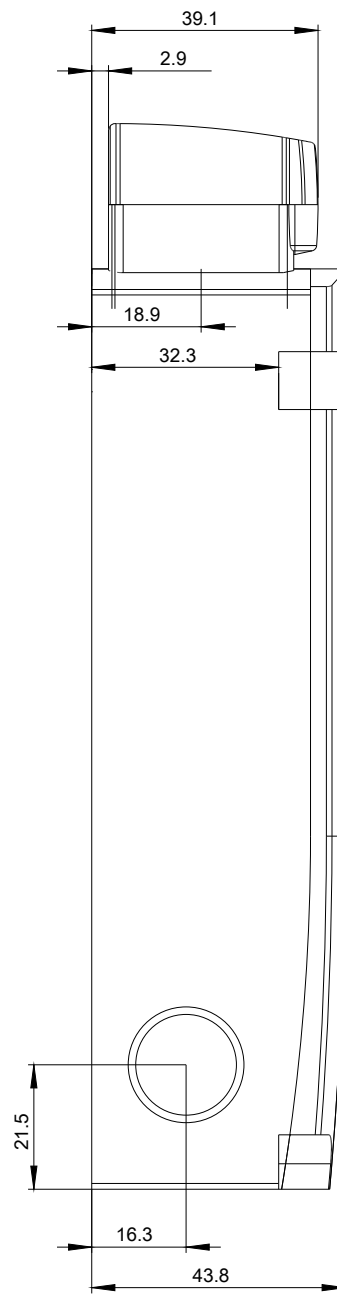
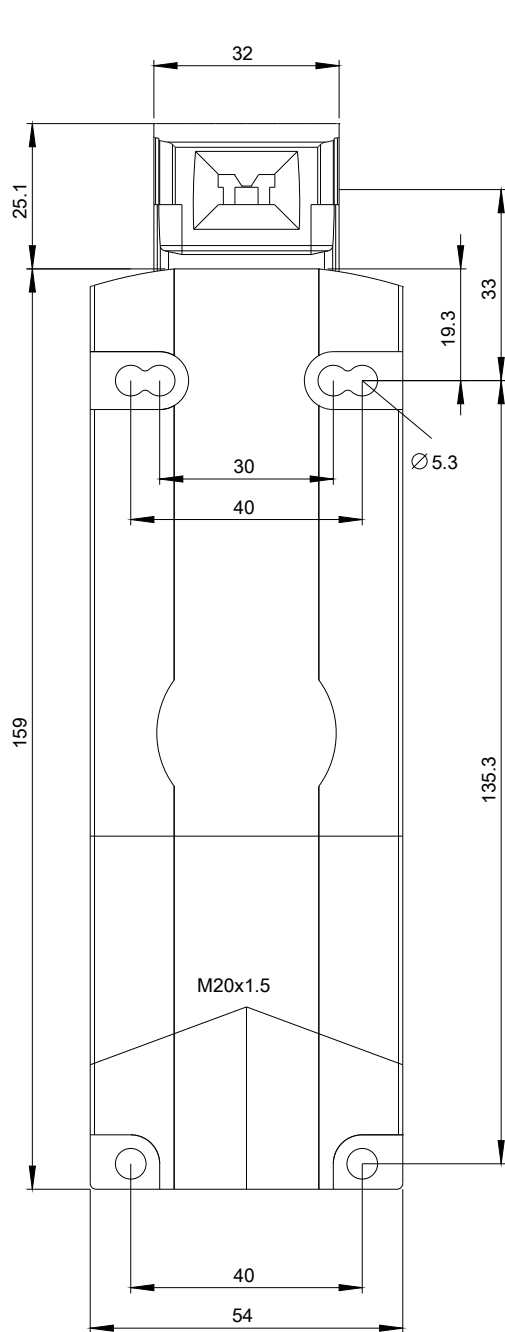
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5322-0SB21>

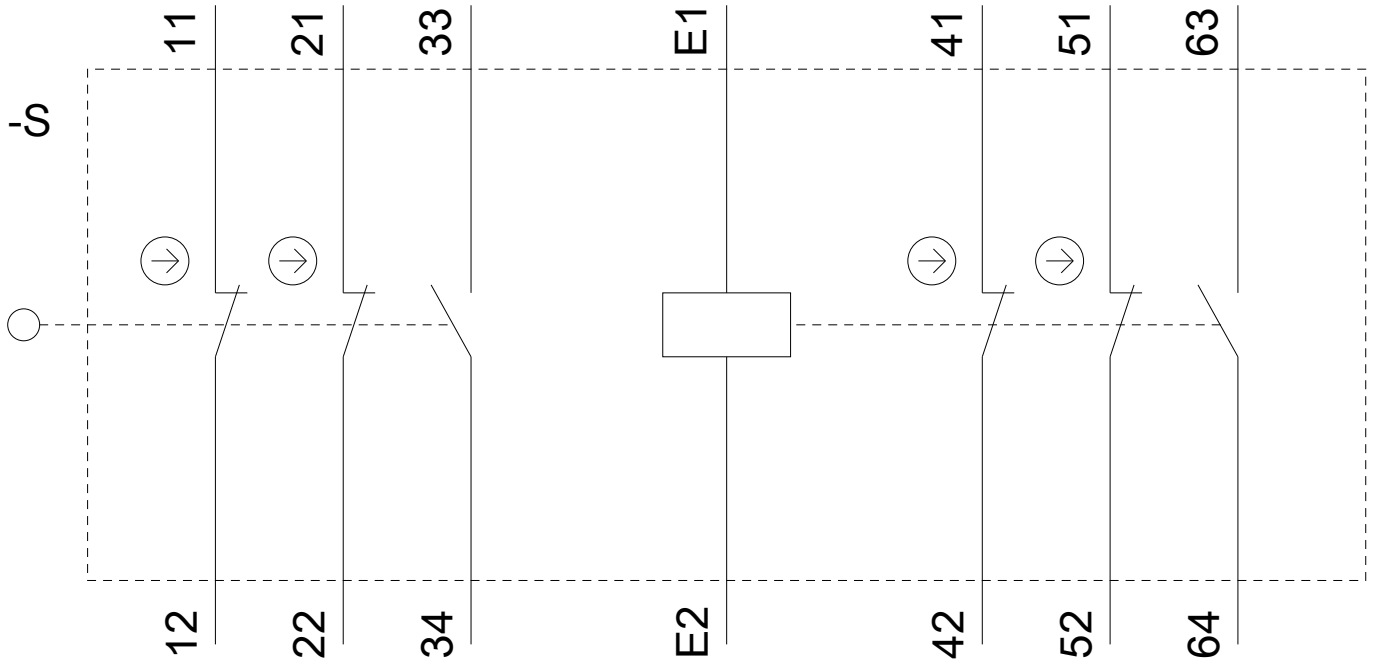
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

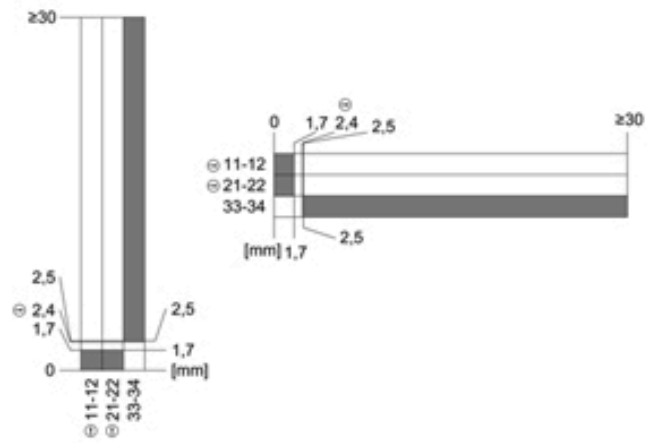
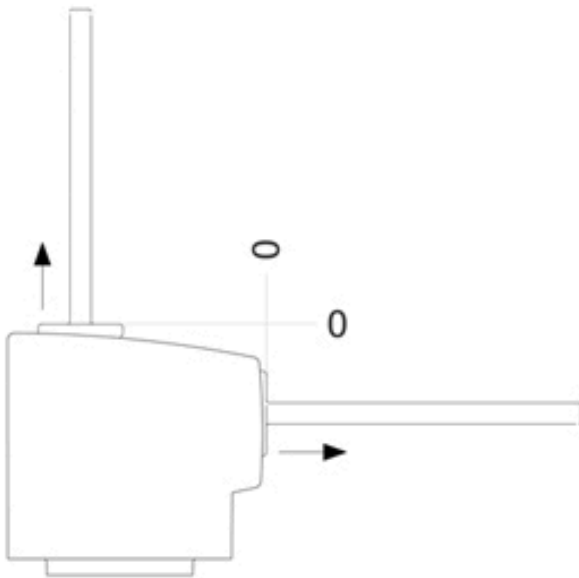
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SB21>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5322-0SB21&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5322-0SB21&lang=en)







last modified:

11/21/2020