



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 230 V AC 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 of the optional actuators	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
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	4 kV
protection class IP	IP65/IP67
shock resistance	30g / 11 ms
• acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance	0.35 mm / 5g
• acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	1 000 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	10 A
material of the enclosure of the switch head	plastic
reference code acc. to IEC 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
continuous current of the DIAZED fuse link gG	6 A; for a short-circuit current smaller than 400 A
locking force	1 300 N
• acc. to DIN EN ISO 14119	1 000 N
repeat accuracy	0.05 mm
minimum actuating force in directions of actuation	30 N

<b>length of the sensor</b>	185 mm
<b>width of the sensor</b>	54 mm
<b>operational 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>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
<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
number of switching contacts safety-related	4
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
• 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 cables solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
<b>Safety related data</b>	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures with high demand rate acc. to SN 31920	20 %
<b>cable entry type</b>	3 x (M20 x 1.5)
<b>locking mechanism design</b>	spring-actuated lock (closed-circuit principle) with escape release from the back and auxiliary release from the front
<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>	230 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



[Type Examination Certificate](#)

Declaration of Conformity

Test Certificates

other

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=3SE5322-0SG23>

Cax online generator

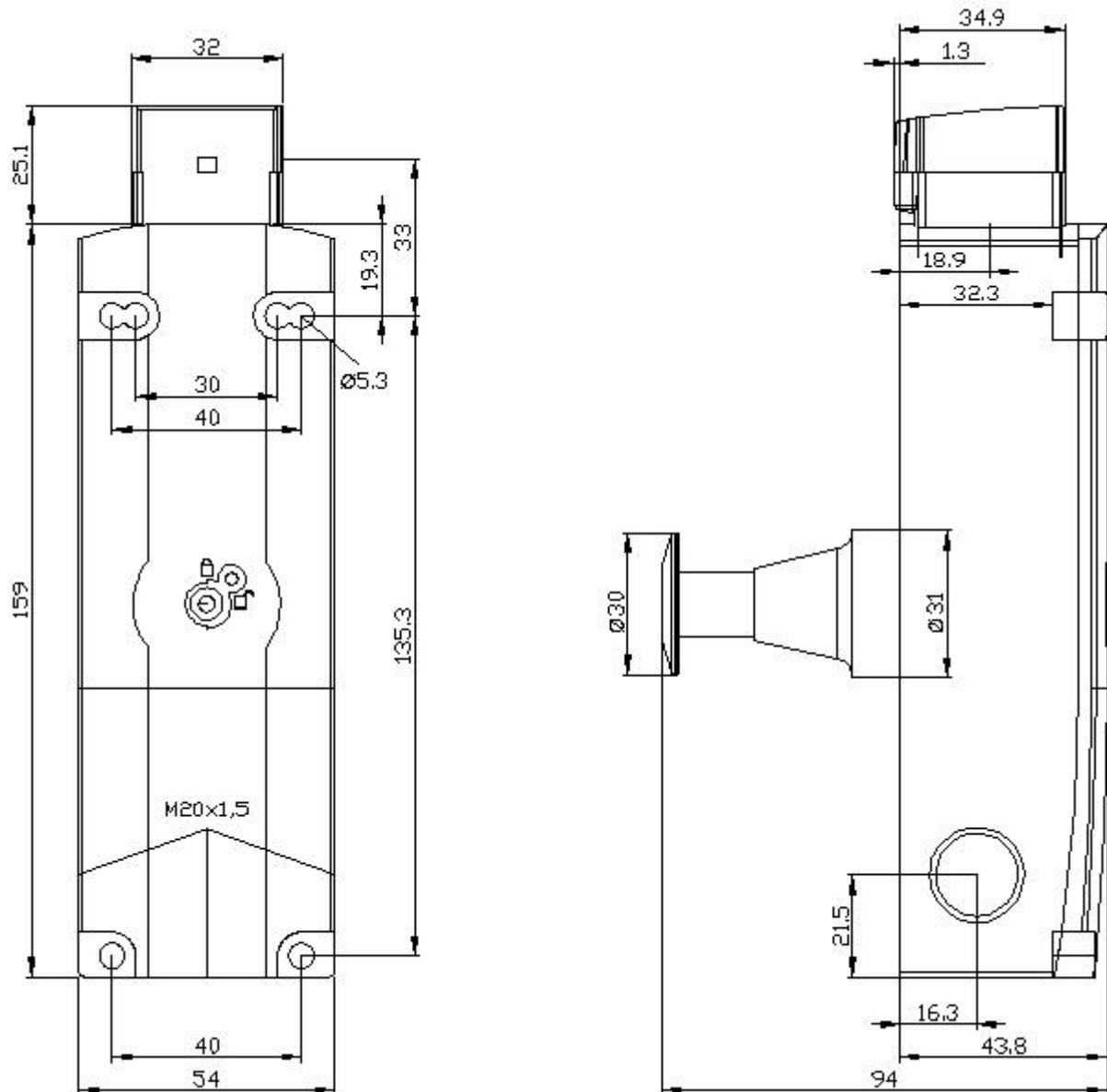
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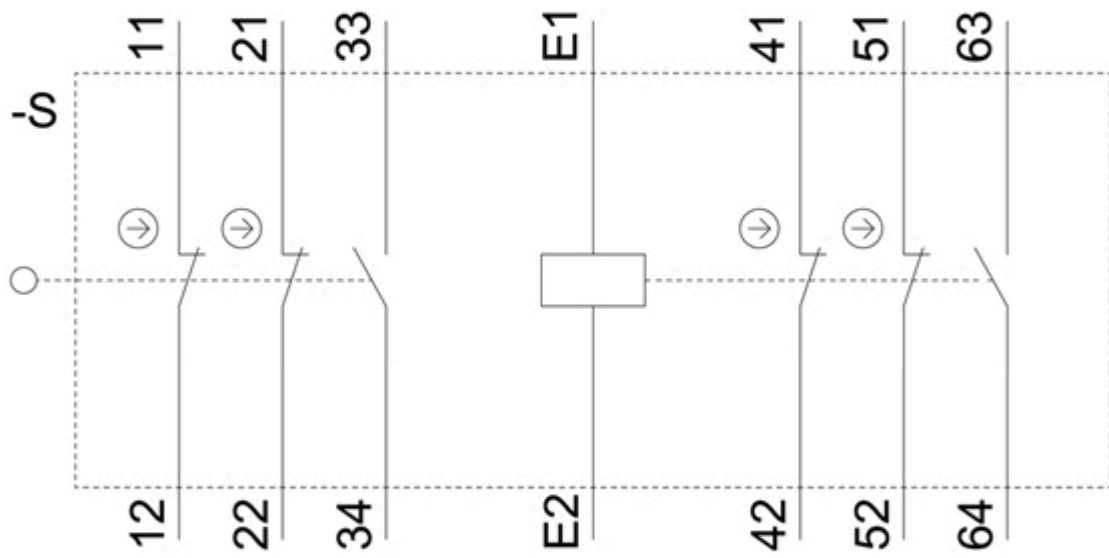
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

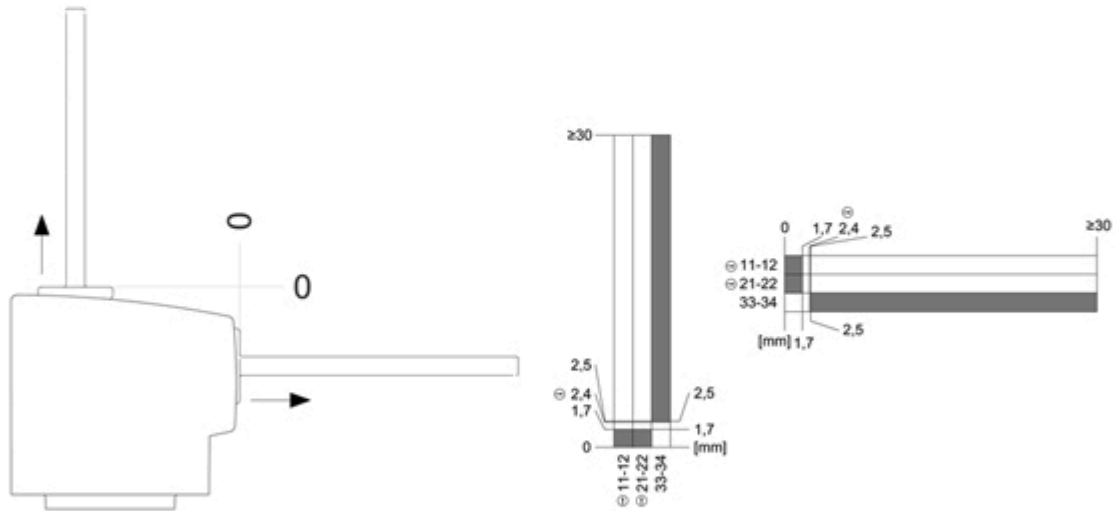
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SG23>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5322-0SG23&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5322-0SG23&lang=en)







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