

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



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"> of the optional actuators 	
suitability for use safety switch	Yes

General technical data	
product function	Yes
<ul style="list-style-type: none"> positive opening 	
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 DIN EN 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 activation direction	30 N
length of the sensor	185 mm
width of the sensor	54 mm
• operating current at AC-15 at 24 V rated value	6 A
• operating current at AC-15 at 120 V rated value	6 A
• operating current at AC-15 at 240 V rated value	3 A
operating current at DC-13	
• 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

Enclosure

design of the housing	special design
material of the enclosure	plastic
design of the housing acc. to standard	No

Drive Head

design of the operating mechanism	5 directions of approach
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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"> • solid 	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • at AWG conductors solid 	1x (20 ... 16), 2x (20 ... 18)
<ul style="list-style-type: none"> • at AWG conductors stranded 	1x (20 ... 16), 2x (20 ... 18)

Safety related data

B10 value	
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	1 000 000
proportion of dangerous failures	
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	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
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Ambient conditions

explosion protection category for dust	none
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Supply voltage

supply voltage of magnet coil	24 V
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Installation/ mounting/ dimensions

mounting position	any
<ul style="list-style-type: none"> • mounting type 	screw fixing

Certificates/ approvals

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

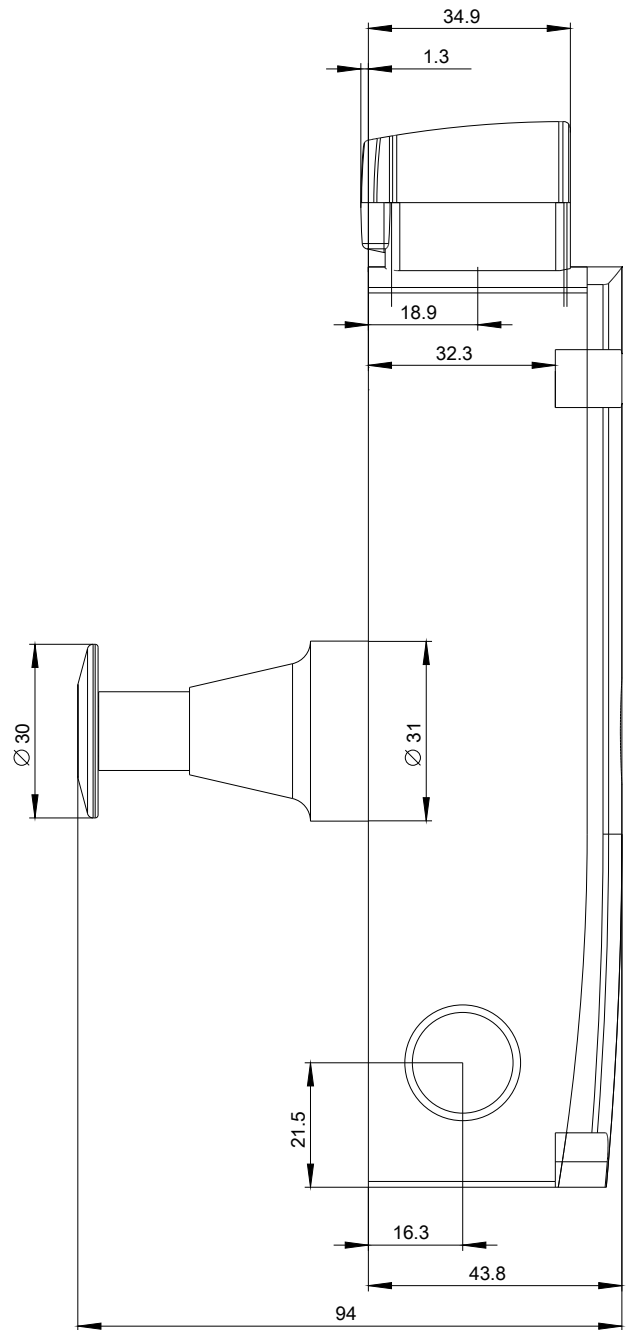
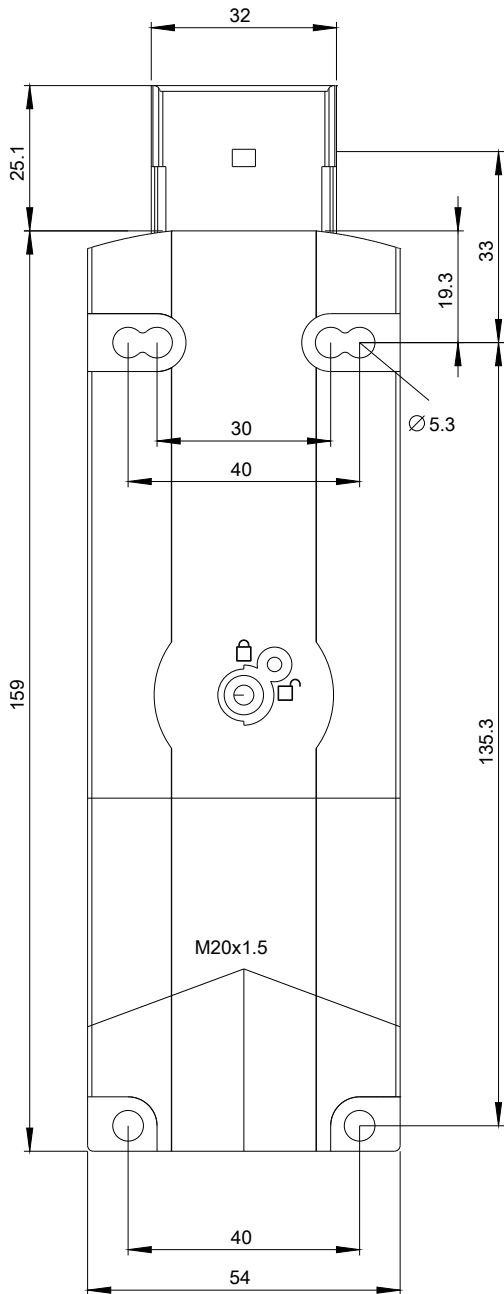
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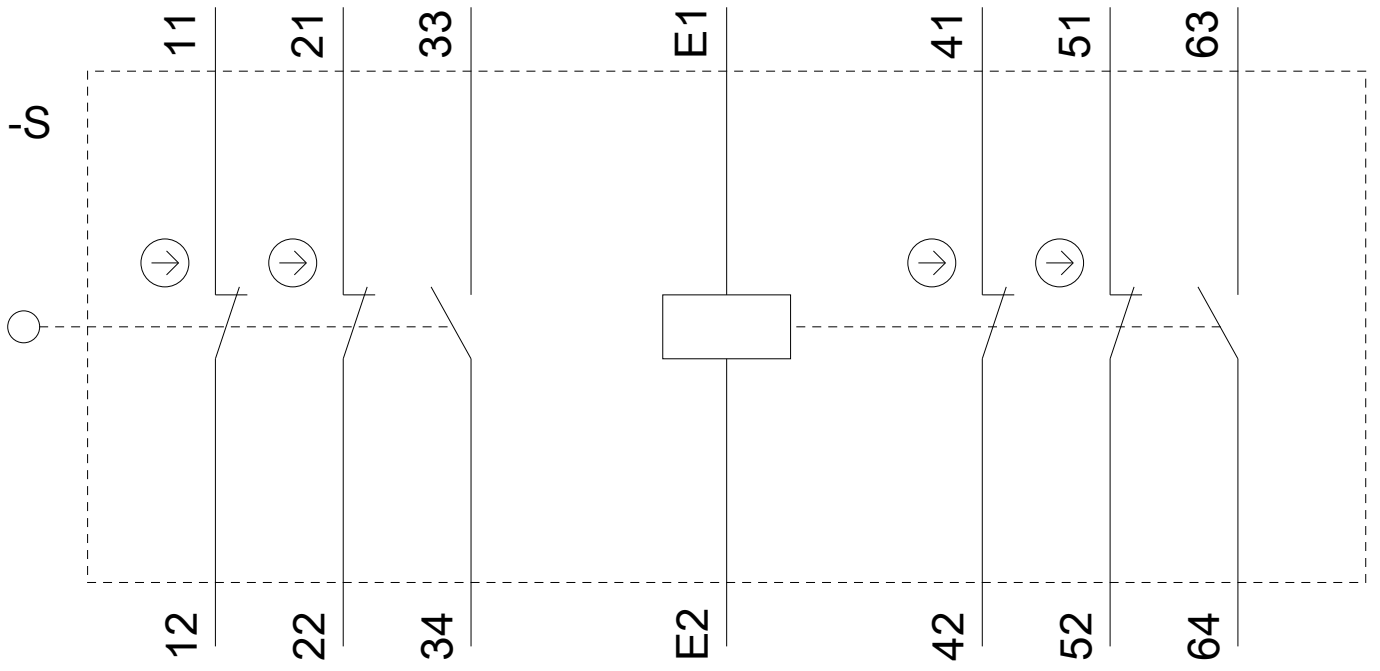
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

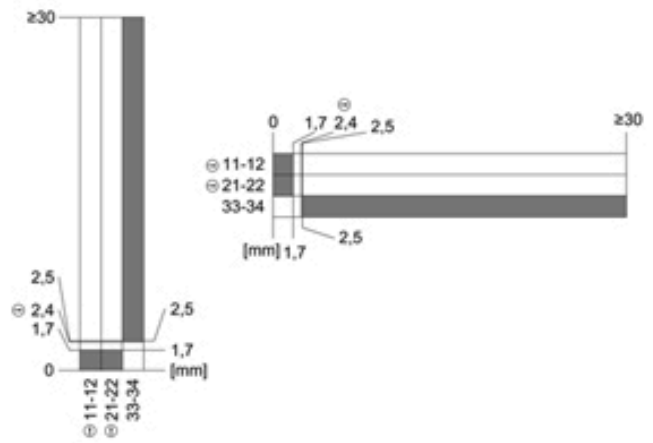
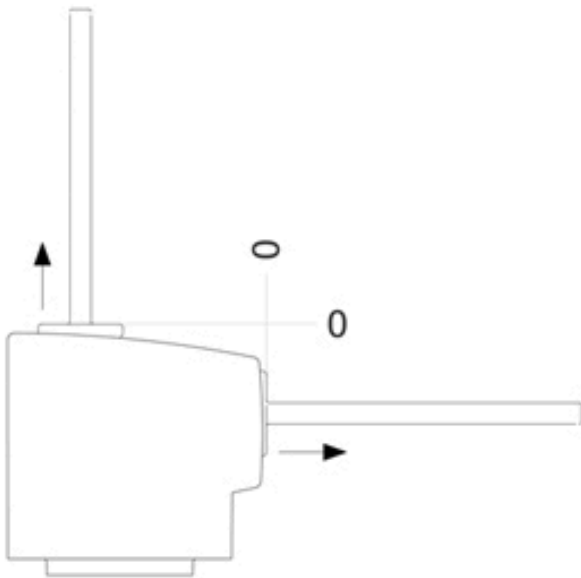
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SG21>

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







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