



Safety position switch With separate actuator Plastic enclosure, 31 mm
Device connection 1x (M20x 1.5) Slow-action contacts 1 NC/1 NO 5
directions of approach The matching separate actuator 3SE5000-0AV0./-
0AW. must be ordered separately

product brand name	SIRIUS
product designation	Mechanical safety switches
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, 3SE5000-0AW11 plastic actuator
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP65
shock resistance • acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance • acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	1 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
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
active principle	mechanical

repeat accuracy	0.05 mm
Substance Prohibitance (Date)	01.07.2006 00:00:00
minimum actuating force in directions of actuation	20 N
length of the sensor	104 mm
width of the sensor	31 mm
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	4 A
• at 400 V rated value	4 A
operational 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
• at 400 V rated value	0.12 A
design of the interface for safety-related communication	without
Enclosure	
design of the housing	block, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing acc. to standard	Yes
Drive Head	
design of the actuating element	without
standard-compliant actuator head	EN 50047
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
Safety related data	
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 %
cable entry type	1x (M20 x 1.5)
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	Functional Safety/Safety of Machinery



[Type Examination Certificate](#)

Declaration of Conformity

Test Certificates

other

[Miscellaneous](#)



[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=3SE5232-0RV40>

Cax online generator

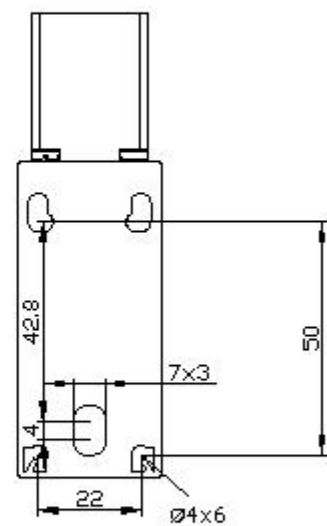
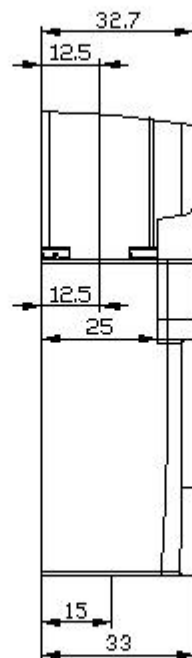
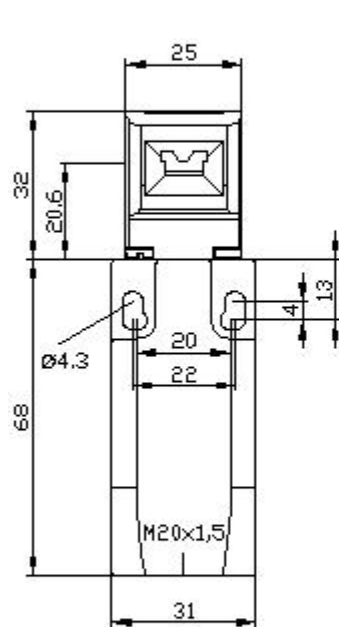
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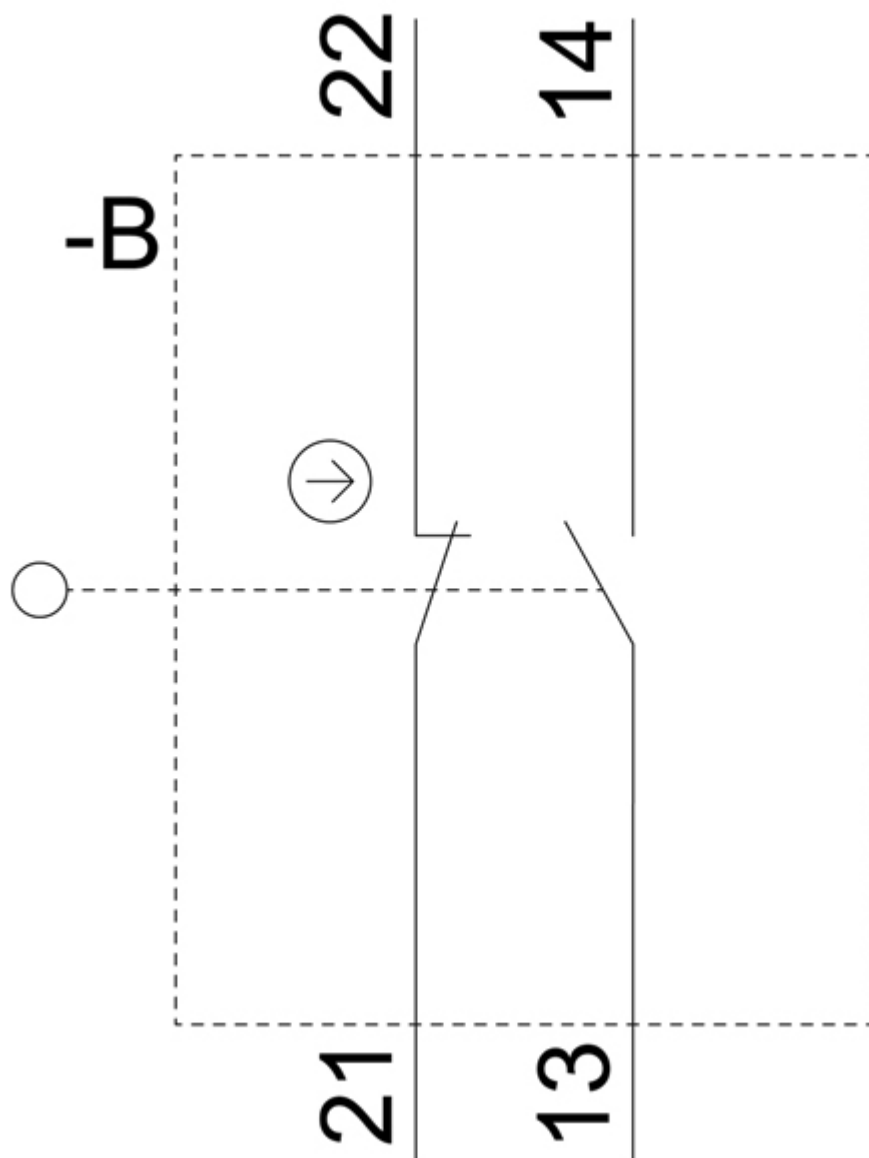
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

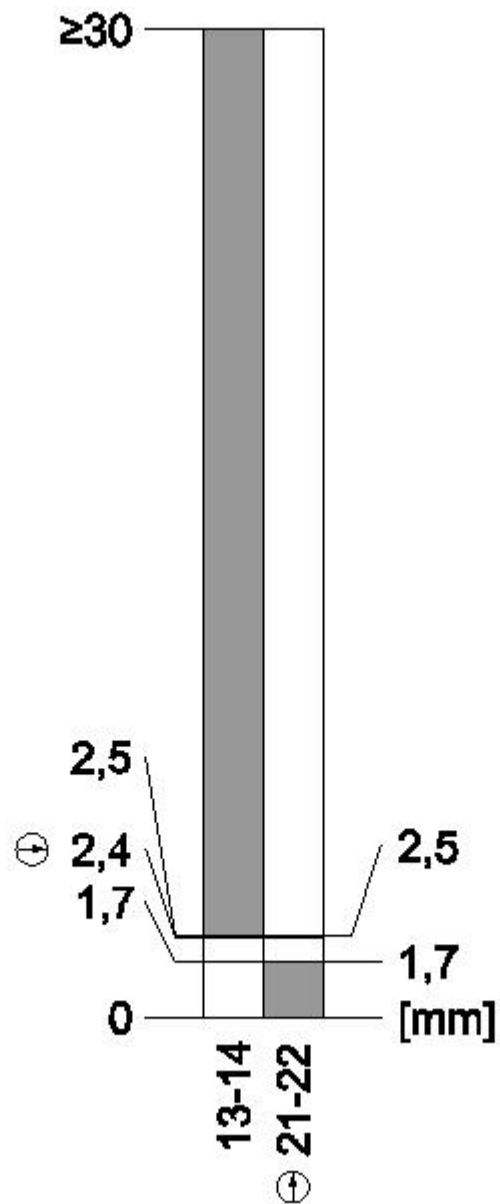
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5232-0RV40&lang=en







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12/21/2020 [↗](#)