

Safety position switch with separate actuator, Plastic enclosure 31 mm according to EN 50047, with increased corrosion protection, Device connection 1x (M20x 1.5) 1 NO/1 NC slow-action contacts functional at -40 °C, actuator 3SE5000-0AV0. must be ordered separately



product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number <ul style="list-style-type: none"> <li>of the optional actuators</li> </ul>	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 <ul style="list-style-type: none"> <li>positive opening</li> </ul>	Yes
insulation voltage	

• rated value	400 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	IP65
<b>shock resistance</b>	
• acc. to IEC 60068-2-27	30g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• acc. to IEC 60068-2-6	0.35 mm/5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>mechanical service life (switching cycles)</b>	
• typical	1 000 000
<b>electrical endurance (switching cycles)</b>	
• at AC-15 at 230 V typical	100 000
<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>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>active principle</b>	mechanical
<b>repeat accuracy</b>	0.05 mm
<b>minimum actuating force in activation direction</b>	20 N
<b>length of the sensor</b>	104 mm
<b>width of the sensor</b>	31 mm
<b>design of the switching contact</b>	mechanical
<b>operating frequency rated value</b>	50 ... 60 Hz
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
• 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	4 A
• operating current at AC-15 at 400 V rated value	4 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

<ul style="list-style-type: none"> <li>• at 400 V rated value</li> </ul>	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 operating mechanism	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	
<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)
cable entry type	1x (M20 x 1.5)

Communication/ Protocol	
design of the interface	without

Ambient conditions	
explosion protection category for dust	none

Installation/ mounting/ dimensions	
mounting position	any
<ul style="list-style-type: none"> <li>• mounting type</li> </ul>	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](#)



Declaration of Conformity	Test Certificates	other
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[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=3SE5232-0RV40-1AJ0>

**Cax online generator**

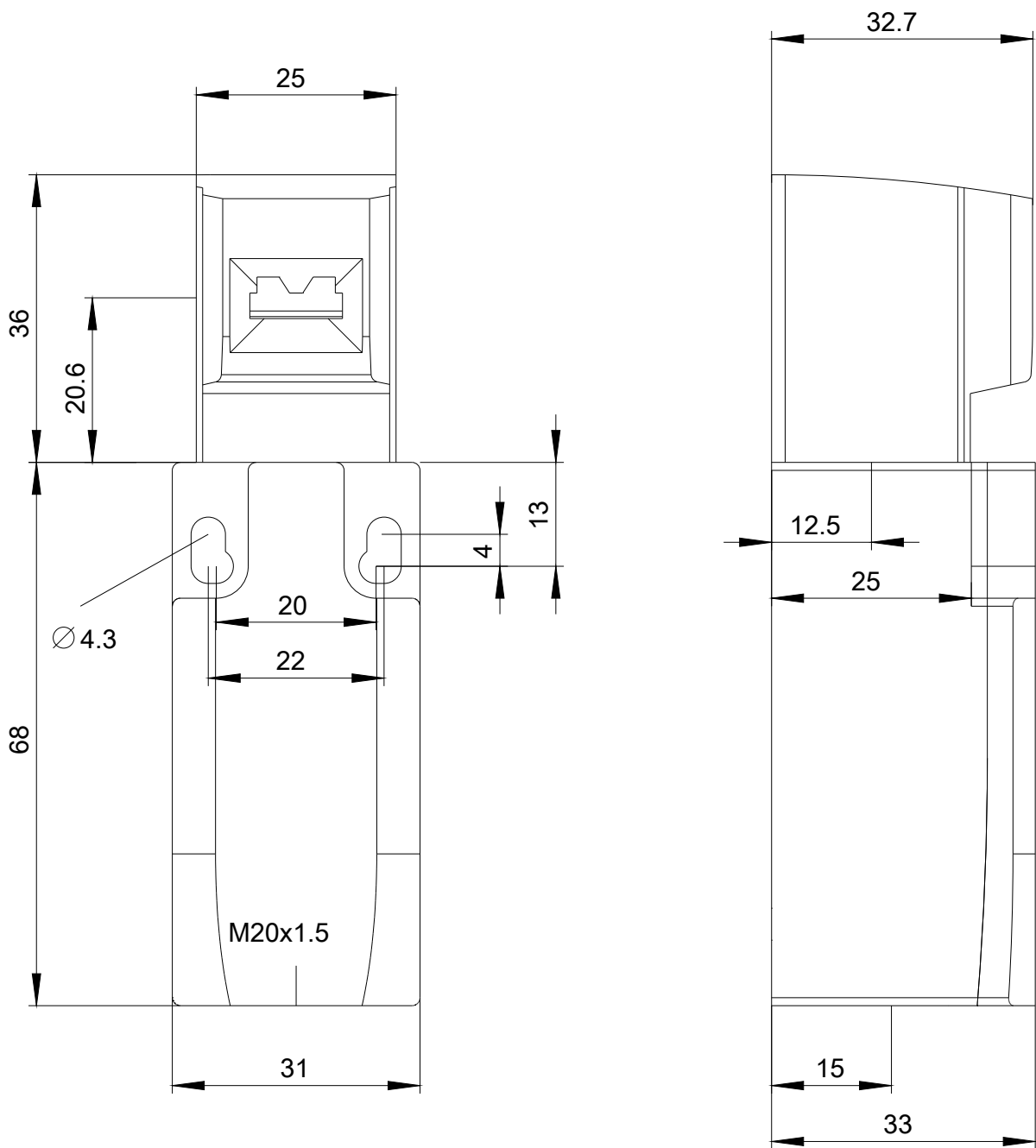
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0RV40-1AJ0>

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

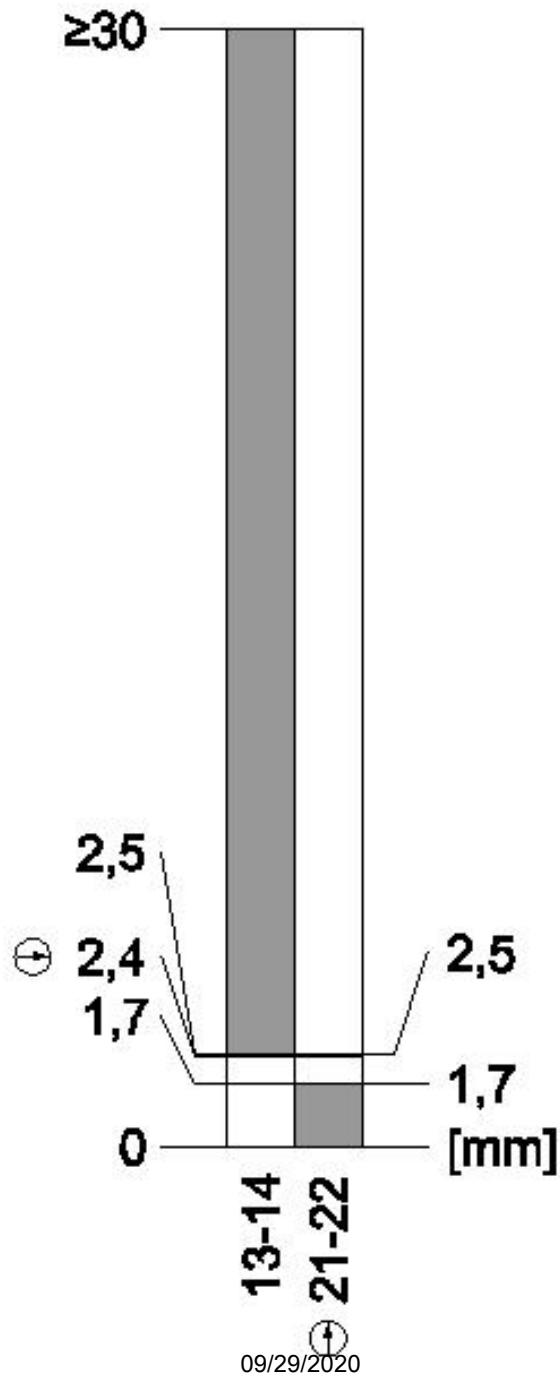
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-0RV40-1AJ0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5232-0RV40-1AJ0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5232-0RV40-1AJ0&lang=en)







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