

Contact module with 1 contact element, 1 NC, screw-type terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof



product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1

General technical data

<b>product function</b> <ul style="list-style-type: none"> <li>• positive opening</li> </ul>	Yes
<b>insulation voltage</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>	500 V
<b>degree of pollution</b>	3
<b>type of voltage</b> <ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• of the input voltage</li> </ul>	AC/DC AC/DC
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b> <ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the terminal</li> </ul>	IP40 IP20
<b>shock resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Sinusoidal half-wave 50g / 11 ms Category 1, Class B

<b>vibration resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	10 ... 500 Hz: 5g Category 1, Class B
<b>operating frequency maximum</b>	3 600 1/h
<b>mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	10 000 000
<b>electrical endurance (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	10 000 000
<b>thermal current</b>	10 A
<b>reference code acc. to DIN EN 81346-2</b>	S
<b>continuous current of the C characteristic MCB</b>	10 A
<b>operating voltage</b>	
<ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	5 ... 500 V 5 ... 500 V 5 ... 500 V

## Power Electronics

<b>contact reliability</b>	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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## Auxiliary circuit

<b>design of the contact of auxiliary contacts</b>	Silver alloy
<b>number of NC contacts for auxiliary contacts</b>	1
<ul style="list-style-type: none"> <li>• lagging switching</li> </ul>	0
<b>number of NO contacts for auxiliary contacts</b>	0
<ul style="list-style-type: none"> <li>• leading contact</li> </ul>	0
<b>operating current at AC-12</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 110 V rated value</li> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> </ul>	10 A 10 A 10 A 8 A 8 A
<ul style="list-style-type: none"> <li>• operating current at AC-15 at 24 V rated value</li> <li>• operating current at AC-15 at 48 V rated value</li> <li>• operating current at AC-15 at 110 V rated value</li> <li>• operating current at AC-15 at 230 V rated value</li> <li>• operating current at AC-15 at 400 V rated value</li> <li>• operating current at AC-15 at 500 V rated value</li> </ul>	6 A 6 A 6 A 6 A 3 A 1.4 A
<b>operating current at DC-12</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> </ul>	10 A 5 A

<ul style="list-style-type: none"> <li>• at 110 V rated value</li> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> </ul>	<p>2.5 A</p> <p>1 A</p> <p>0.3 A</p> <p>0.3 A</p>
<b>operating current at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 110 V rated value</li> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> </ul>	<p>3 A</p> <p>1.5 A</p> <p>0.7 A</p> <p>0.3 A</p> <p>0.1 A</p> <p>0.1 A</p>

### Connections/ Terminals

<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG conductors</li> </ul>	<p>2x (0.5 ... 0.75 mm<sup>2</sup>)</p> <p>2x (1.0 ... 1.5 mm<sup>2</sup>)</p> <p>2x (0.5 ... 1.5 mm<sup>2</sup>)</p> <p>2x (1,0 ... 1,5 mm<sup>2</sup>)</p> <p>2x (18 ... 14)</p>
<b>tightening torque</b>	
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	0.8 ... 0.9 N·m

### Ambient conditions

environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted)
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### Installation/ mounting/ dimensions

<b>mounting type</b>	floor mounting
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Floor mounting
<b>height</b>	33.2 mm
<b>width</b>	9.8 mm
<b>depth</b>	27.7 mm

### Certificates/ approvals

## General Product Approval



CCC



CSA



UL



VDE

[KC](#)



## Declaration of Conformity



EG-Konf.

[Miscellaneous](#)

## Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

## Marine / Shipping



ABS



LRS

## Marine / Shipping



PRS



RINA



RMRS

## other

[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=3SU1400-2AA10-1CA0>

### Cax online generator

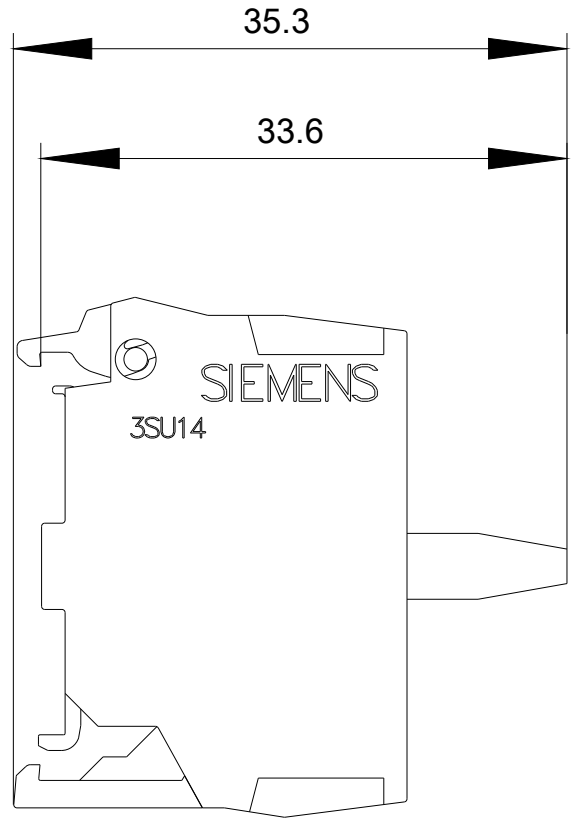
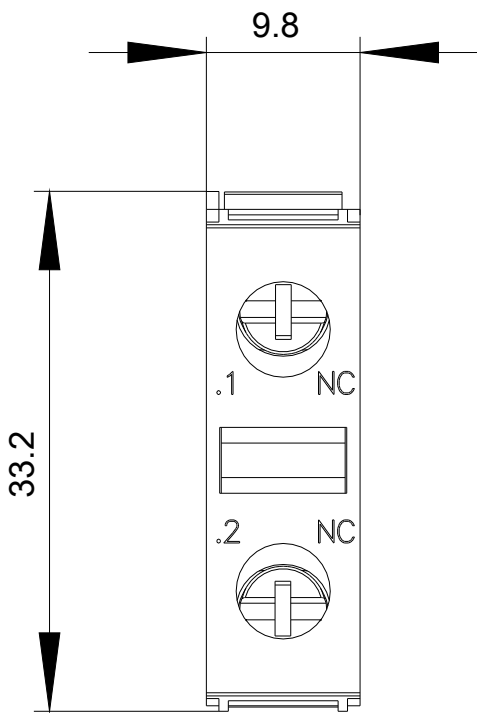
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-1CA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-1CA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-2AA10-1CA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-1CA0&lang=en)





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