

Contact module with 1 contact element, 1 NO, soldered connection, for use on printed circuit boards



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

General technical data	
<b>Product function</b>	No
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	
<b>Insulation voltage</b>	250 V
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	AC/DC
<ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• of the input voltage</li> </ul>	AC/DC
<b>Surge voltage resistance rated value</b>	4 kV
<b>Protection class IP</b>	IP40
<ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the terminal</li> </ul>	IP00
<b>Shock resistance</b>	Sinusoidal half-wave 50 g / 11 ms
<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>	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>	<p>10 ... 500 Hz: 5g</p> <p>Category 1, Class B</p>
<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>Reference code acc. to DIN EN 61346-2</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>	<p>5 ... 240 V</p> <p>5 ... 240 V</p> <p>5 ... 250 V</p>

## 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>	0
<ul style="list-style-type: none"> <li>• lagging switching</li> </ul>	0
<b>Number of NO contacts for auxiliary contacts</b>	1
<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> </ul>	<p>10 A</p> <p>10 A</p> <p>10 A</p> <p>10 A</p>
<b>Operating current at AC-15</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> </ul>	<p>6 A</p> <p>6 A</p> <p>6 A</p> <p>4 A</p>
<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> <li>• at 110 V rated value</li> </ul>	<p>10 A</p> <p>5 A</p> <p>2.5 A</p>

<ul style="list-style-type: none"> <li>• at 230 V rated value</li> </ul>	1 A
<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> </ul>	3 A 1.5 A 0.7 A 0.3 A

### Connections/ Terminals

<b>Type of electrical connection</b>	Socket connection (THT)
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### Ambient conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +70 °C -40 ... +80 °C
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)

### Installation/ mounting/ dimensions

<b>Mounting type</b>	Printed circuit board
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Printed circuit board
<b>Height</b>	18.5 mm
<b>Width</b>	7.6 mm
<b>Depth</b>	16.2 mm
<b>Type of soldering method</b>	Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts
<b>parameter of the soldering method</b>	Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin
<b>Soldering point quality acc. to IPC A-610</b>	Class 2

### Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 EAC	 EG-Konf.
<a href="#">KC</a>	<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>

Test Certificates	Marine / Shipping
<a href="#">Special Test Certificate</a>	 ABS
	 LRS
	 PRS
	 RINA
	 RMRS

other
<a href="#">Confirmation</a>

### 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=3SU1400-3AA10-5BA0>

**Cax online generator**

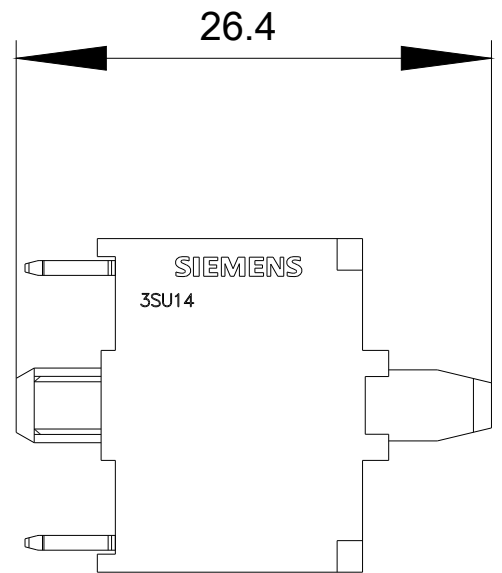
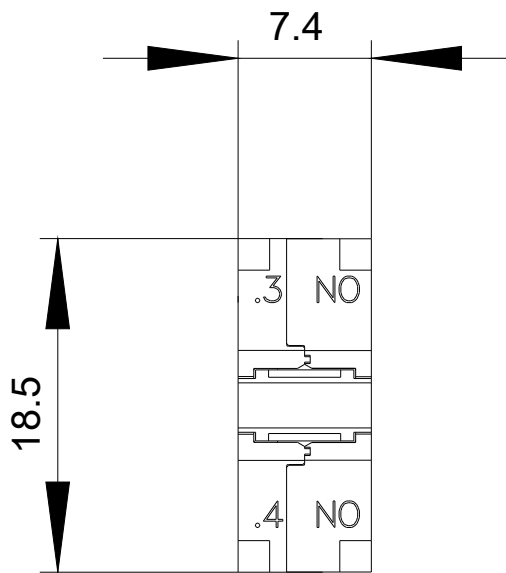
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-3AA10-5BA0>

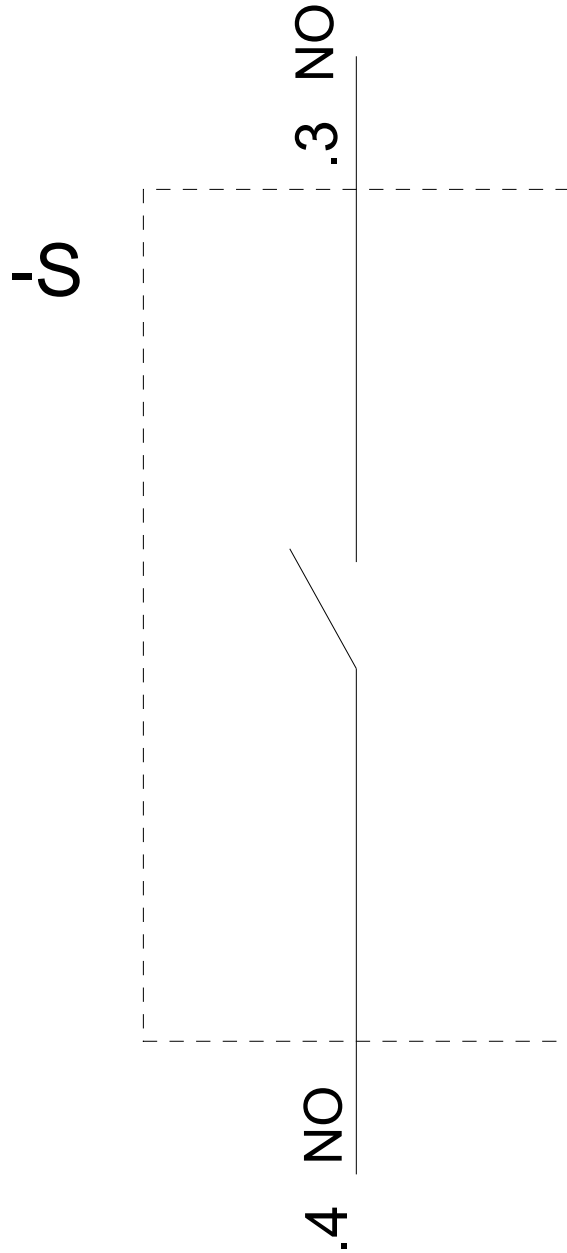
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-3AA10-5BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-3AA10-5BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-3AA10-5BA0&lang=en)





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