



Contact module with 1 contact element, 1 NC, Contact for installation monitoring, spring-type terminal, for front plate mounting

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Contact module
<b>product type designation</b>	3SU1
<b>Contact block/ lampholder</b>	
<b>socket design</b>	other
<b>General technical data</b>	
<b>product function positive opening</b>	Yes
<b>insulation voltage rated value</b>	500 V
<b>degree of pollution</b>	3
<b>type of voltage</b>	
• of the operating voltage	AC/DC
• of the input voltage	AC/DC
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	
• of the enclosure	IP40
• of the terminal	IP20
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
<b>operating frequency maximum</b>	3 600 1/h
<b>mechanical service life (operating cycles) typical</b>	10 000 000
<b>electrical endurance (operating cycles) typical</b>	10 000 000
<b>thermal current</b>	10 A
<b>reference code according to IEC 81346-2</b>	S
<b>continuous current of the C characteristic MCB</b>	10 A
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>operating voltage</b>	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
<b>Power Electronics</b>	
<b>contact reliability</b>	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
<b>Auxiliary circuit</b>	
<b>design of the contact of auxiliary contacts</b>	Silver alloy
<b>number of NC contacts for auxiliary contacts</b>	1

• lagging switching	0
<b>number of NO contacts for auxiliary contacts</b>	0
• leading contact	0
<b>operational current at AC-12</b>	
• at 24 V rated value	10 A
• at 48 V rated value	10 A
• at 110 V rated value	10 A
• at 230 V rated value	8 A
• at 400 V rated value	6 A
<b>operational current at AC-15</b>	
• at 24 V rated value	6 A
• at 48 V rated value	6 A
• at 110 V rated value	6 A
• at 230 V rated value	4 A
• at 400 V rated value	3 A
• at 500 V rated value	1.4 A
<b>operational current at DC-12</b>	
• at 24 V rated value	10 A
• at 48 V rated value	5 A
• at 110 V rated value	2.5 A
• at 230 V rated value	0.3 A
• at 400 V rated value	0.3 A
• at 500 V rated value	0.3 A
<b>operational current at DC-13</b>	
• at 24 V rated value	3 A
• at 48 V rated value	1.5 A
• at 110 V rated value	0.6 A
• at 230 V rated value	0.3 A
• at 400 V rated value	0.1 A
• at 500 V rated value	0.1 A

#### Connections/ Terminals

<b>type of electrical connection</b>	spring-loaded terminals
<b>type of connectable conductor cross-sections</b>	
• solid without core end processing	2x (0.25 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.25 ... 0.75 mm <sup>2</sup> )
• finely stranded without core end processing	2x (0.25 ... 1.5 mm <sup>2</sup> )
• for AWG cables	2x (24 ... 16)

#### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted)

#### Environmental footprint

Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg

#### Installation/ mounting/ dimensions

<b>fastening method</b>	front plate mounting
• of modules and accessories	Front plate mounting
<b>height</b>	36 mm
<b>width</b>	9.8 mm
<b>depth</b>	49.7 mm
<b>suitability for integration</b>	
• plastic enclosure	Yes
• metal enclosure	Yes

#### Approvals Certificates

<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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[Confirmation](#)



[KC](#)



EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Environment
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[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SU1400-1AA10-3HA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3HA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3HA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-3HA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3HA0&lang=en)



