

Contact module with 1 contact element, 1 NC, Contact for installation monitoring, screw terminal, for front plate mounting



product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
General technical data	
• product function positive opening	Yes
insulation voltage	
• rated value	500 V
degree of pollution	3
type of voltage	
• of the operating voltage	AC/DC
• of the input voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	
• of the enclosure	IP40
• of the terminal	IP20
• shock resistance acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• Shock resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
• vibration resistance acc. to IEC 60068-2-6	10 ... 500 Hz: 5g

• Vibration resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
• mechanical service life (switching cycles) typical	10 000 000
• electrical endurance (switching cycles) typical	10 000 000
thermal current	10 A
reference code acc. to DIN EN 81346-2	S
reference code acc. to DIN EN 61346-2	S
Continuous current of the C characteristic MCB	10 A
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— operating voltage at AC at 50 Hz rated value	5 ... 500 V
— operating voltage at AC at 60 Hz rated value	5 ... 500 V
• operating voltage at DC	
— rated value	5 ... 500 V

Power Electronics

Contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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Auxiliary circuit

design of the contact of auxiliary contacts	Silver alloy
• number of NC contacts for auxiliary contacts	1
• Number of NC contacts for auxiliary contacts lagging switching	0
• number of NO contacts for auxiliary contacts	0
• Number of NO contacts for auxiliary contacts leading contact	0
• Operating current at AC-12 at 24 V rated value	10 A
• operating current at AC-12 at 48 V rated value	10 A
• operating current at AC-12 at 110 V rated value	10 A
• Operating current at AC-12 at 230 V rated value	8 A
• Operating current at AC-12 at 400 V rated value	6 A
• Operating current at AC-15 at 24 V rated value	6 A
• operating current at AC-15 at 48 V rated value	6 A
• operating current at AC-15 at 110 V rated value	6 A
• Operating current at AC-15 at 230 V rated value	4 A
• Operating current at AC-15 at 400 V rated value	3 A

• Operating current at AC-15 at 500 V rated value	1.4 A
• Operating current at DC-12 at 24 V rated value	10 A
• operating current at DC-12 at 48 V rated value	5 A
• operating current at DC-12 at 110 V rated value	2.5 A
• Operating current at DC-12 at 230 V rated value	0.3 A
• Operating current at DC-12 at 400 V rated value	0.3 A
• Operating current at DC-12 at 500 V rated value	0.2 A
• Operating current at DC-13 at 24 V rated value	3 A
• operating current at DC-13 at 48 V rated value	1.5 A
• operating current at DC-13 at 110 V rated value	0.6 A
• Operating current at DC-13 at 230 V rated value	0.3 A
• Operating current at DC-13 at 400 V rated value	0.1 A
• Operating current at DC-13 at 500 V rated value	0.1 A

Connections/ Terminals

• type of electrical connection	screw-type terminals
• Type of connectable conductor cross-sections solid with core end processing	2x (0.5 ... 0.75 mm ²)
• Type of connectable conductor cross-sections solid without core end processing	2x (1.0 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• type of connectable conductor cross-sections at AWG conductors	2x (18 ... 14)
• tightening torque with screw-type terminals	0.8 ... 0.9 N·m

Ambient conditions

• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-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

• mounting type	front panel mounting
• Mounting type of modules and accessories	Front plate mounting
height	34 mm
width	9.8 mm

depth

49.7 mm

Certificates/ approvals

General Product Approval

Declaration of Conformity



CCC



CSA



UL

[KC](#)



EG-Konf.

Declaration of Conformity

[Miscellaneous](#)

Test Certificates

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

Marine / Shipping



ABS



LRS



PRS

Marine / Shipping

other

[Confirmation](#)



RINA



RMRS

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=3SU1400-1AA10-1HA0>

Cax online generator

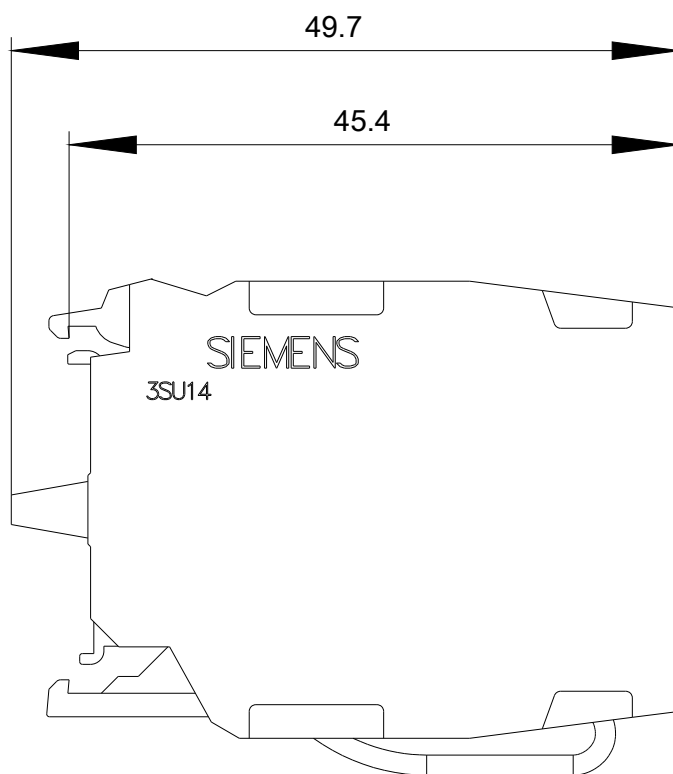
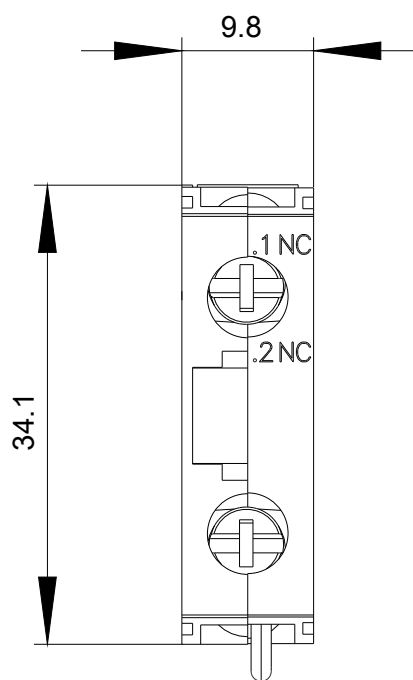
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1HA0>

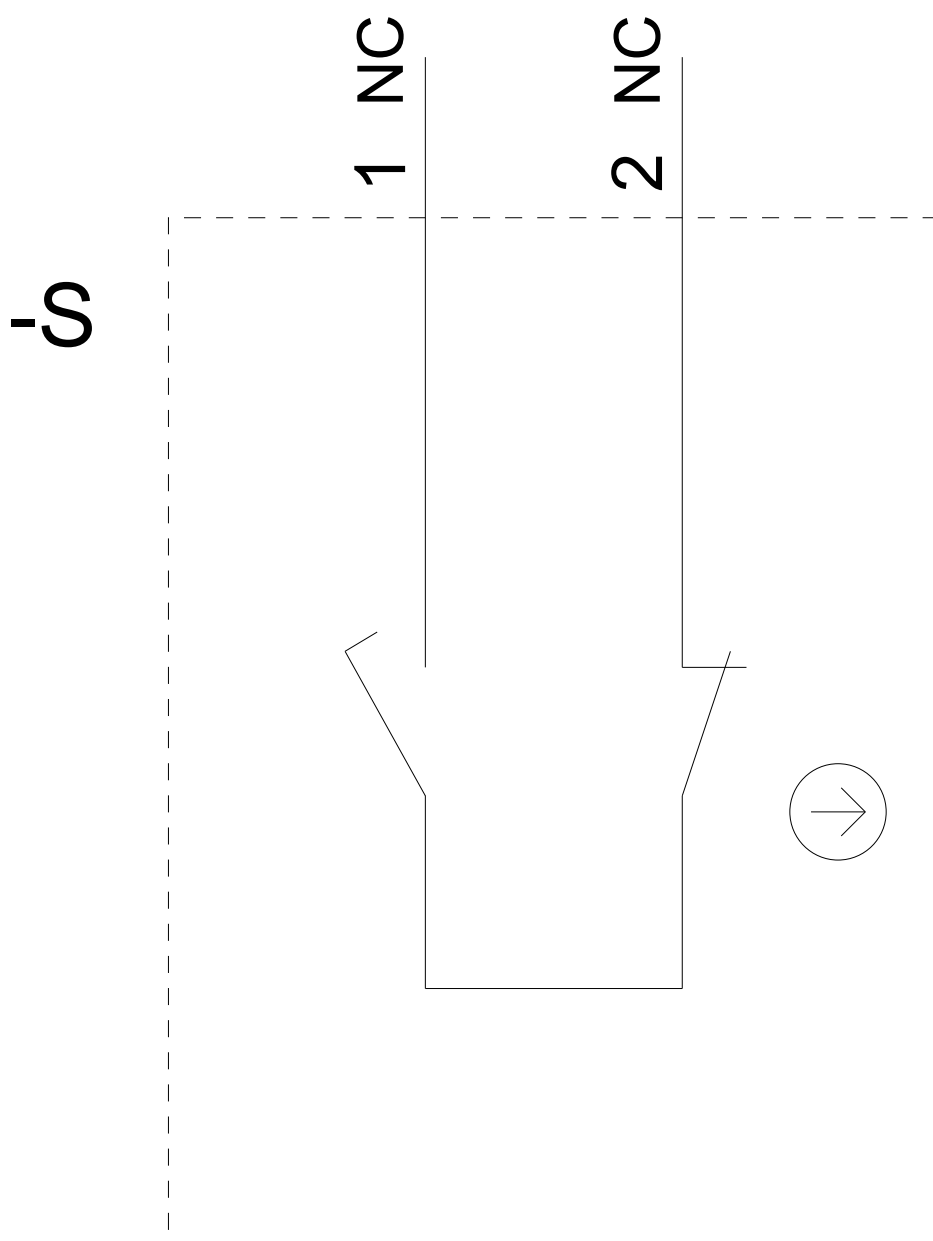
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1HA0&lang=en





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