

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	
<ul style="list-style-type: none"> product function positive opening 	Yes
insulation voltage <ul style="list-style-type: none"> rated value 	500 V
degree of pollution	3
type of voltage <ul style="list-style-type: none"> of the operating voltage of the input voltage 	AC/DC AC/DC
surge voltage resistance rated value	6 kV
protection class IP <ul style="list-style-type: none"> of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 Shock resistance for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 	IP40 IP20 Sinusoidal half-wave 50g / 11 ms Category 1, Class B 10 ... 500 Hz: 5g

<ul style="list-style-type: none"> • Vibration resistance for railway applications acc. to DIN EN 61373 	Category 1, Class B
operating frequency maximum	3 600 1/h
<ul style="list-style-type: none"> • mechanical service life (switching cycles) typical 	10 000 000
<ul style="list-style-type: none"> • electrical endurance (switching cycles) typical 	10 000 000
thermal current	10 A
reference code acc. to DIN EN 81346-2	S
Continuous current of the C characteristic MCB	10 A
<ul style="list-style-type: none"> • <ul style="list-style-type: none"> — operating voltage at AC at 50 Hz rated value 	5 ... 500 V
<ul style="list-style-type: none"> • <ul style="list-style-type: none"> — operating voltage at AC at 60 Hz rated value 	5 ... 500 V
<ul style="list-style-type: none"> • operating voltage at DC <ul style="list-style-type: none"> — 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
<ul style="list-style-type: none"> • number of NC contacts for auxiliary contacts 	1
<ul style="list-style-type: none"> • Number of NC contacts for auxiliary contacts lagging switching 	0
<ul style="list-style-type: none"> • number of NO contacts for auxiliary contacts 	0
<ul style="list-style-type: none"> • Number of NO contacts for auxiliary contacts leading contact 	0
<ul style="list-style-type: none"> • Operating current at AC-12 at 24 V rated value 	10 A
<ul style="list-style-type: none"> • operating current at AC-12 at 48 V rated value 	10 A
<ul style="list-style-type: none"> • operating current at AC-12 at 110 V rated value 	10 A
<ul style="list-style-type: none"> • Operating current at AC-12 at 230 V rated value 	8 A
<ul style="list-style-type: none"> • Operating current at AC-12 at 400 V rated value 	8 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 24 V rated value 	6 A
<ul style="list-style-type: none"> • operating current at AC-15 at 48 V rated value 	6 A
<ul style="list-style-type: none"> • operating current at AC-15 at 110 V rated value 	6 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 230 V rated value 	6 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 400 V rated value 	3 A
<ul style="list-style-type: none"> • 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	1 A
• Operating current at DC-12 at 400 V rated value	0.3 A
• Operating current at DC-12 at 500 V rated value	0.3 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	0.7 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

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

• mounting type	floor mounting
• Mounting type of modules and accessories	Floor mounting
height	33.2 mm
width	9.8 mm
depth	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

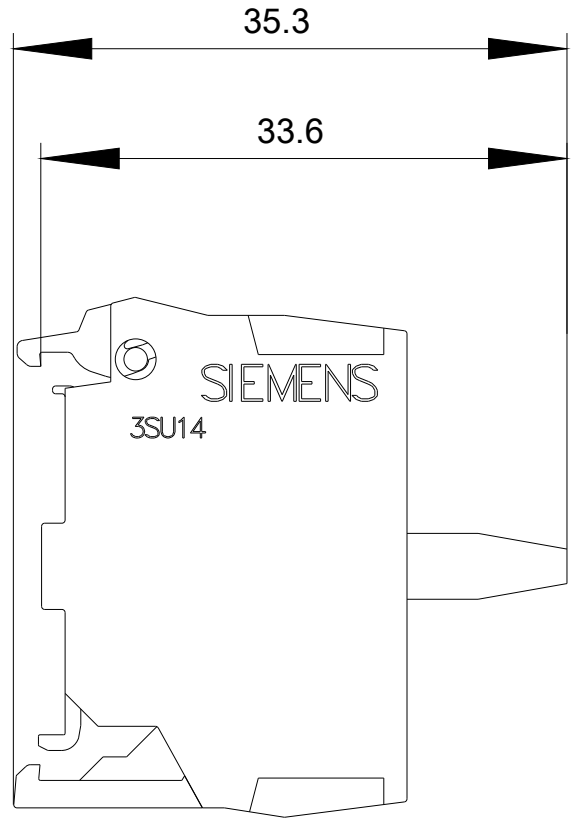
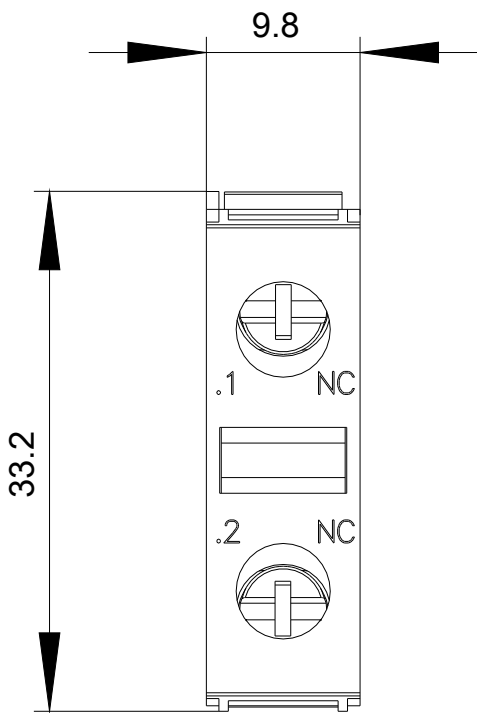
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-1CA0>

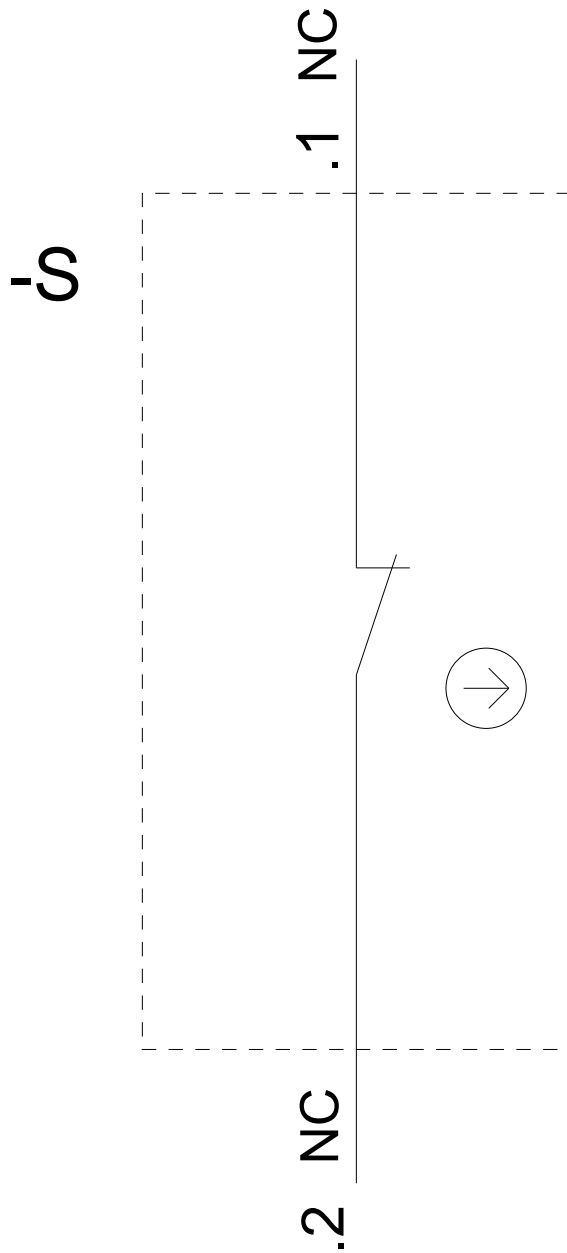
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





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