

Contact module with 1 contact element, 1 NC, spring-type terminal, for front plate 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	
• 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

<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 — operating voltage at AC at 60 Hz rated value • operating voltage at DC <ul style="list-style-type: none"> — rated value 	5 ... 500 V 5 ... 500 V 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	spring-loaded terminals
• Type of connectable conductor cross-sections solid without core end processing	2x (0.25 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.25 ... 0.75 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (0.25 ... 1.5 mm ²)
• type of connectable conductor cross-sections at AWG conductors	2x (24 ... 16)

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	front panel mounting
• Mounting type of modules and accessories	Front plate mounting
height	36 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

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

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=3SU1400-1AA10-3CA0>

Cax online generator

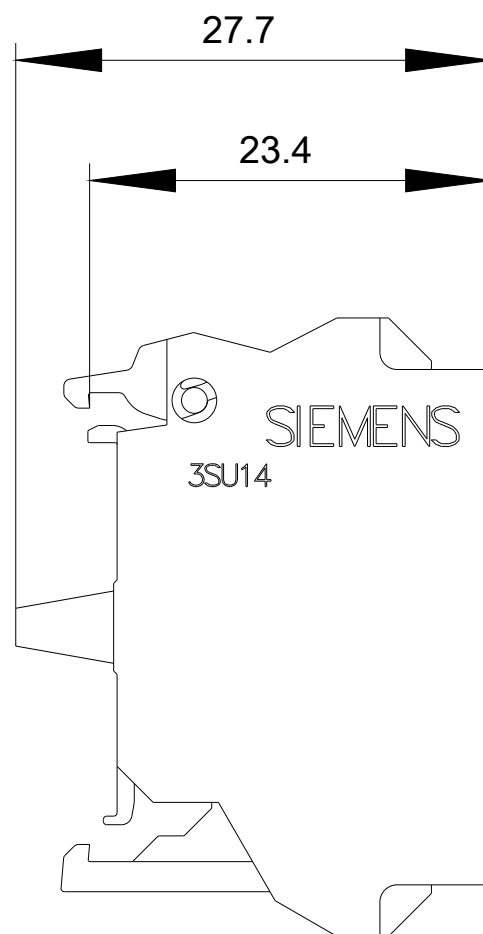
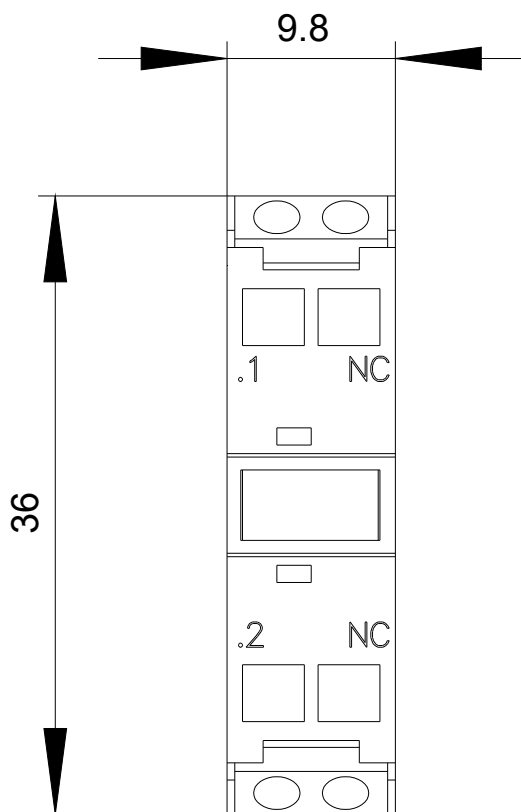
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3CA0>

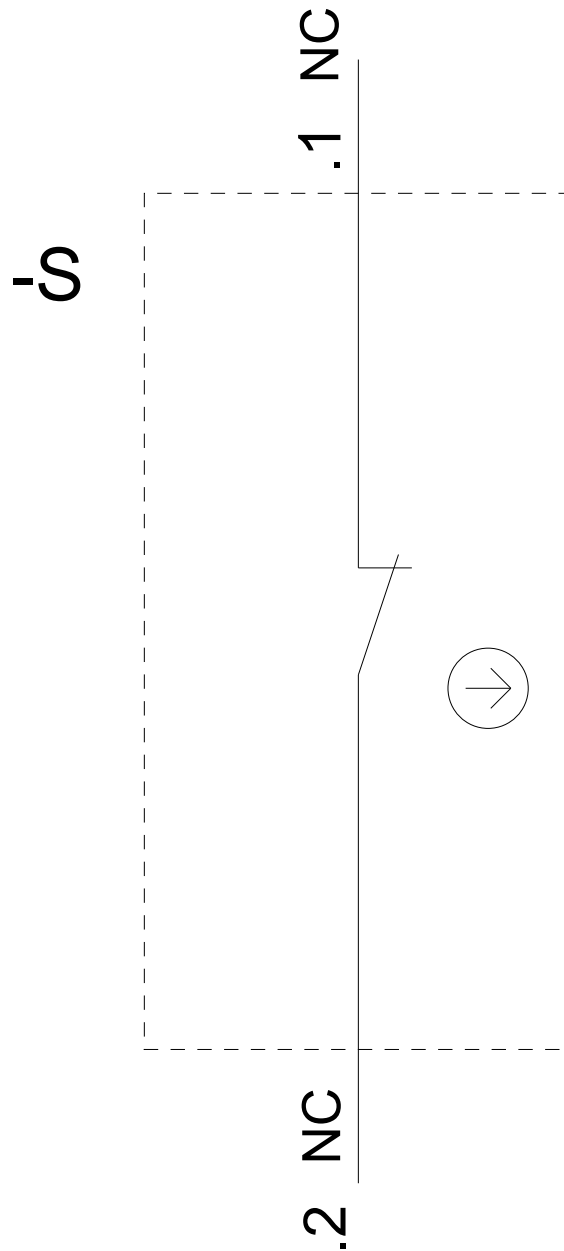
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3CA0&lang=en





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