

Contact module with 1 contact element, 1 NO, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple of this



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|--|---|
| product brand name | SIRIUS ACT |
| product designation | Contact module |
| product type designation | 3SU1 |
| General technical data | |
| product function | No |
| <ul style="list-style-type: none">positive opening | |
| 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 voltageof 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 enclosureof the terminal | IP40 IP20 |
| shock resistance | |
| <ul style="list-style-type: none">acc. to IEC 60068-2-27for railway applications acc. to DIN EN 61373 | Sinusoidal half-wave 50g / 11 ms Category 1, Class B |

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|---|---|
| vibration resistance | |
| <ul style="list-style-type: none"> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 | 10 ... 500 Hz: 5g Category 1, Class B |
| operating frequency maximum | 3 600 1/h |
| mechanical service life (switching cycles) | |
| <ul style="list-style-type: none"> • typical | 10 000 000 |
| electrical endurance (switching cycles) | |
| <ul style="list-style-type: none"> • 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 |
| operating voltage | |
| <ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value • at DC <ul style="list-style-type: none"> — rated value | 5 ... 500 V 5 ... 500 V 5 ... 500 V |

Power Electronics

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|----------------------------|--|
| 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 | 0 |
| <ul style="list-style-type: none"> • lagging switching | 0 |
| number of NO contacts for auxiliary contacts | 1 |
| <ul style="list-style-type: none"> • leading contact | 0 |
| operating current at AC-12 | |
| <ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value | 10 A 10 A 10 A 8 A 8 A |
| <ul style="list-style-type: none"> • operating current at AC-15 at 24 V rated value • operating current at AC-15 at 48 V rated value • operating current at AC-15 at 110 V rated value • operating current at AC-15 at 230 V rated value • operating current at AC-15 at 400 V rated value • operating current at AC-15 at 500 V rated value | 6 A 6 A 6 A 6 A 3 A 1.4 A |
| operating current at DC-12 | |
| <ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value | 10 A 5 A |

| | |
|-----------------------------------|-------|
| • at 110 V rated value | 2.5 A |
| • at 230 V rated value | 1 A |
| • at 400 V rated value | 0.3 A |
| • at 500 V rated value | 0.3 A |
| operating current at DC-13 | |
| • at 24 V rated value | 3 A |
| • at 48 V rated value | 1.5 A |
| • at 110 V rated value | 0.7 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

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|---|------------------------------------|
| 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) |
| • solid without core end processing | 2x (1.0 ... 1.5 mm ²) |
| • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²) |
| • finely stranded without core end processing | 2x (1,0 ... 1,5 mm ²) |
| • at AWG conductors | 2x (18 ... 14) |
| tightening torque | |
| • with screw-type terminals | 0.8 ... 0.9 N·m |

Ambient conditions

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|---|---|
| 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

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|------------------------------|----------------------|
| mounting type | front panel mounting |
| • of modules and accessories | Front plate 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

[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=3SU1400-1AA10-1BA0>

Cax online generator

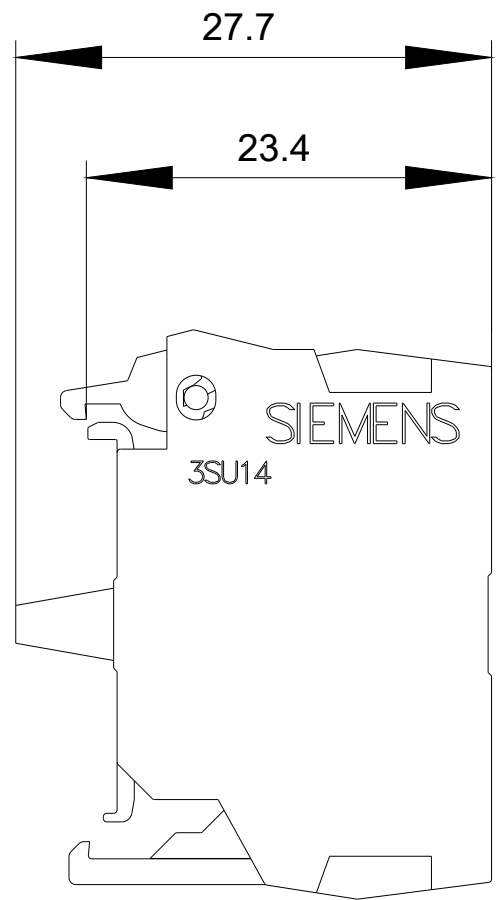
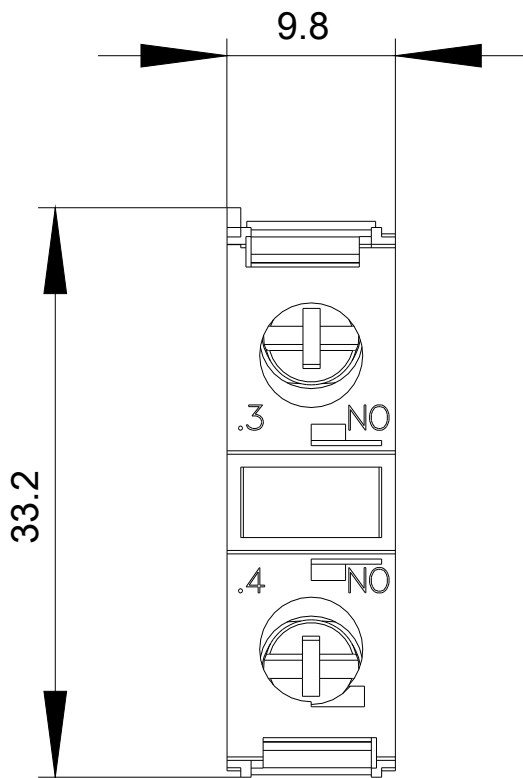
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1BA0>

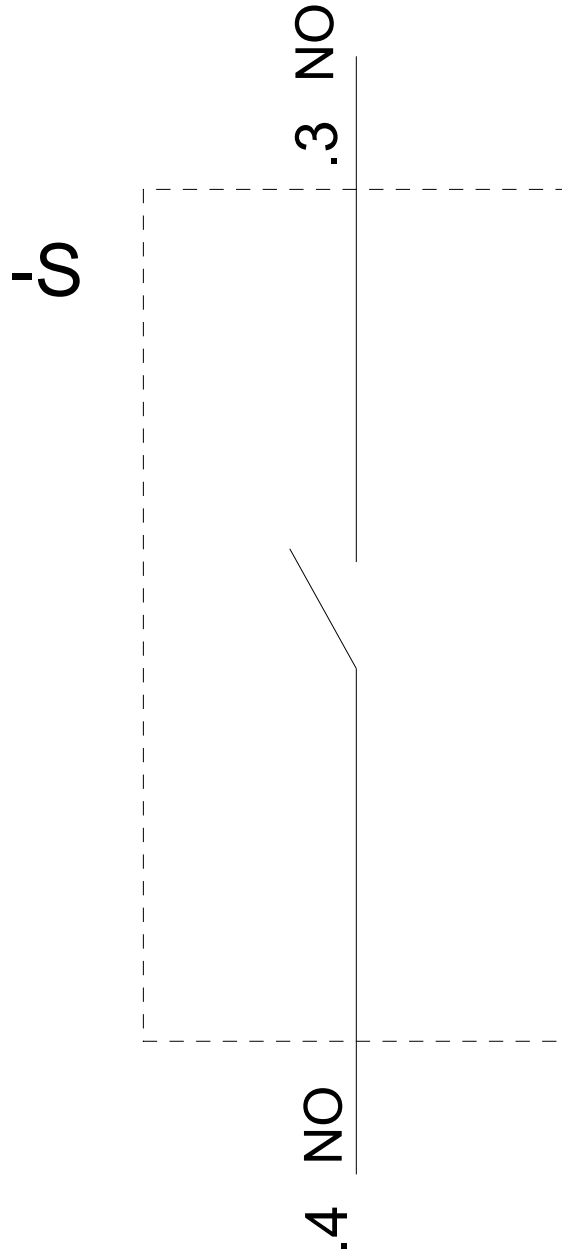
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1BA0&lang=en





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