# **Data sheet**



holder, universal, 3-way, plastic/metal, 1 NO, 1 NC, spring-loaded terminal

Figure similar

| product branch name group of the product designation design of the product product type designation 3SU1 manufacturer's article number of supplied contact module at position 1 3SU1400-1AA10-3BA0, 3SU1400-1AA10-3CA0 of supplied contact module at position 2 of supplied contact module at position 2 of the supplied holder 3SU1400-1AA10-3BA0 of the supplied holder 3SU1550-0AA10-0AA0  Actuator design of the actuating element number of contact modules 2  Holder material of the holder Display number of LED modules 0 Contrait technical data product function positive opening product component of diode lamp transformer light source series resistor No insulation voltage rated value degree of pollution 3 surge voltage resistance rated value protection class IP of the terminal IP20 shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance  according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum mechanical service Iffe (operating cycles) typical themal current 10 A reference code according to IEC 81346-2 Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Continuous current of the Cush DAZED fuse link 10 A Cont | product brand name   | SIRIUS ACT   |
|--|--|--|
| design of the product product type designation anufacturer's article number of supplied contact module of supplied contact module at position 1 suffacturer's article number of supplied contact module at position 2 suffacturer's article number of supplied contact module at position 2 suffacturer's assurance and suffacturer's article number of supplied contact module at position 2 suffacturer design of the supplied holder  Actuator  design of the actuating element number of contact modules 2 Holder material of the holder product function positive opening product function positive opening product component olional part ansformer olional part suffacturer series resistor No series resistor No insulation voltage rated value degree of pollution surge voltage rasid value eace of pollution surge voltage rasid value according to IEC 60068-2-27 of or railway applications according to EN 61373 protection class IP of the terminal properating frequency maximum according to IEC 60068-2-6 of or railway applications according to EN 61373 proference code according to IEC 61346-2 continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | •  |  |
| product type designation 3SU1 manufacturer's article number  |  |  |
| manufacturer's article number  • of supplied contact module • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied contact module at position 2 • of the supplied holder • of supplied contact module at position 2 • of the supplied holder  **Sul1400-1AA10-3CA0  |  |  |
| of supplied contact module at position 1     of supplied contact module at position 2     of supplied contact module at position 2     of the supplied contact module at position 2     of the supplied holder     substitution  design of the actuating element     number of contact modules 2  Holder  material of the holder  Display  number of LED modules 0  Ceneral technical data  product function positive opening     product component     olde     ight source     ight source     series resistor     ight source     series resistor     insulation voltage rated value     degree of pollution     surge voltage resistance     according to IEC 60068-2-7     for railway applications according to EN 61373  operating frequency maximum     according to IEC 60068-2-6     for railway applications according to EN 61373  operating frequency maximum     according to IEC 60068-2-6     for railway applications according to EN 61373  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   |  | 0001   |
| of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder  of the supplied holder  design of the actuating element number of contact modules  2  Holder  material of the holder  Plastic  Display  number of LED modules  0  General technical data  product function positive opening  vesides resistor isign transformer isign tra  |  | 20114400 44440 2040 20114400 44440 2040              |
| of supplied contact module at position 2 of the supplied holder  Actustor  design of the actuating element number of contact modules  Plastic  Display number of LED modules  Oceneral technical data product function positive opening reduct component  olight source olight source series resistor insulation voltage rated value degree of pollution surge voltage resistance occording to IEC 60068-2-7 of railway applications according to EN 61373 operating frequency maximum  of the cut and source of the maximum  of surge voltage resistance occording to IEC 60068-2-6 of railway applications according to EN 61373 operating frequency maximum  mechanical service Iif (operating cycles) typical thermal current  10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | • •  |  |
| of the supplied holder      Actuator  design of the actuating element  |  |  |
| Actuator  design of the actuating element 3-way with module number of contact modules 2  Holder  material of the holder Plastic  Display number of LED modules 0  General technical data  product function positive opening Yes  product component  • clicde No • lamp transformer No • light source No • series resistor No insulation voltage rated value 500 V  degree of pollution 3  surge voltage resistance rated value 6 kV  protection class IP of the terminal IP20  shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A   |  |  |
| design of the actuating element number of contact modules    Holder  |  | <u>330 1330-0AA 10-0AA0</u>                          |
| number of contact modules    Holder  |  | 0  |
| Material of the holder  Display  number of LED modules  General technical data  product function positive opening  product component  • diode  • lamp transformer  • light source  • series resistor  Insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  surge voltage resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  mechanical service life (operating cycles) typical thermal current  10 A  reference code according to IEC 81346-2  U  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   |  |  |
| material of the holder Plastic  Display  number of LED modules 0  General technical data  product function positive opening Yes  product component  • diode No • lamp transformer No • light source No • series resistor No insulation voltage rated value 500 V  degree of pollution 3  surge voltage resistance rated value 6 kV  protection class IP of the terminal IP20  shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000  thermal current 10 A; for a short-circuit current smaller than 400 A  |  | 2  |
| number of LED modules  General technical data  product function positive opening  product component  eliode lamp transformer liight source series resistor No series resistor No insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal surge voltage resistance eaccording to IEC 60068-2-27 for railway applications according to EN 61373  vibration resistance eaccording to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum general service life (operating cycles) typical thermal current treference code according to IEC 81346-2 continuous current of the C characteristic MCB  10  O  O  O  O  O  O  O  O  O  O  O  O  O   |  |  |
| number of LED modules  General technical data  product function positive opening  product component  • diode  • lamp transformer  • light source  • series resistor  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  U  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   |  | Plastic  |
| product function positive opening  product component  diode  lamp transformer  light source  series resistor  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  product resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   |  |  |
| product component  e diode No lamp transformer No e light source series resistor Insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal surce voltage resistance e according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  vibration resistance o according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  operating frequency maximum according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  operating frequency maximum according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  operating frequency maximum according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  operating frequency maximum according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A   | 1 11 1   | 0  |
| product component  • diode • lamp transformer • No • light source • series resistor • No insulation voltage rated value  degree of pollution surge voltage resistance rated value  for ciling to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  second to IEC 81346-2  continuous current of the C characteristic MCB  No  | General technical data   |  |
| <ul> <li>diode</li> <li>lamp transformer</li> <li>light source</li> <li>No</li> <li>series resistor</li> <li>No</li> <li>insulation voltage rated value</li> <li>500 V</li> <li>degree of pollution</li> <li>surge voltage resistance rated value</li> <li>6 kV</li> <li>protection class IP of the terminal</li> <li>IP20</li> <li>shock resistance</li> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>3 600 1/h</li> <li>mechanical service life (operating cycles) typical</li> <li>thermal current</li> <li>10 A</li> <li>reference code according to IEC 81346-2</li> <li>U</li> <li>continuous current of the C characteristic MCB</li> <li>10 A; for a short-circuit current smaller than 400 A</li> </ul>  | product function positive opening                                  | Yes  |
| Image: Item  | product component  |  |
| injunt source     series resistor     No  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  protection class IP of the terminal  IP20  shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  according to IEC 81346-2  to A; for a short-circuit current smaller than 400 A  | • diode  | No   |
| No     insulation voltage rated value     degree of pollution     surge voltage resistance rated value     protection class IP of the terminal     shock resistance         • according to IEC 60068-2-27         • for railway applications according to EN 61373         Category 1, Class B      vibration resistance         • according to IEC 60068-2-6         • for railway applications according to EN 61373         Category 1, Class B      operating frequency maximum         3 600 1/h     mechanical service life (operating cycles) typical     thermal current         10 A  reference code according to IEC 81346-2     Continuous current of the C characteristic MCB  | lamp transformer   | No   |
| insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  to 000 000  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A  | • light source   | No   |
| degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  IP20  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  Continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A  | • series resistor  | No   |
| surge voltage resistance rated value  protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  vibration resistance  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | insulation voltage rated value                                     | 500 V  |
| protection class IP of the terminal  shock resistance  | degree of pollution  | 3  |
| shock resistance   | surge voltage resistance rated value                               | 6 kV   |
| according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms     for railway applications according to EN 61373     Category 1, Class B  vibration resistance     according to IEC 60068-2-6     for railway applications according to EN 61373     Category 1, Class B  operating frequency maximum     3 600 1/h  mechanical service life (operating cycles) typical thermal current     10 A  reference code according to IEC 81346-2 U  continuous current of the C characteristic MCB  sinusoidal half-wave 15g / 11 ms Category 1, Class B  U 500 Hz: 5g  10 500 Hz: 5g  U acreting to IEC 81373  U  Continuous current of the C characteristic MCB  | protection class IP of the terminal                                | IP20   |
|  | shock resistance   |  |
| vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 500 Hz: 5g  10 500 Hz: 5g  U actegory 1, Class B  10 000 000  Uh actegory 1 acteg         | • according to IEC 60068-2-27                                      | sinusoidal half-wave 15g / 11 ms                     |
| according to IEC 60068-2-6     for railway applications according to EN 61373     Category 1, Class B  operating frequency maximum     3 600 1/h  mechanical service life (operating cycles) typical     10 000 000  thermal current     10 A  reference code according to IEC 81346-2     U  continuous current of the C characteristic MCB     10 A; for a short-circuit current smaller than 400 A  | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B                                  |
| • for railway applications according to EN 61373   | vibration resistance   |  |
| operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  10 000 000  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | • according to IEC 60068-2-6                                       | 10 500 Hz: 5g  |
| mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B                                  |
| thermal current  10 A  reference code according to IEC 81346-2  Continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | operating frequency maximum  | 3 600 1/h  |
| reference code according to IEC 81346-2  continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A  | mechanical service life (operating cycles) typical                 | 10 000 000   |
| continuous current of the C characteristic MCB  10 A; for a short-circuit current smaller than 400 A   | thermal current  | 10 A   |
|  | reference code according to IEC 81346-2                            | U  |
| continuous current of the quick DIAZED fuse link  10 A   | continuous current of the C characteristic MCB                     | 10 A; for a short-circuit current smaller than 400 A |
|  | continuous current of the quick DIAZED fuse link                   | 10 A   |

| continuous current of the DIAZED fuse link gG                   | 10 A  |                          |
|---|---|--------------------------|
| Substance Prohibitance (Date)                                   | 10/01/2014  |                          |
| operating voltage   |   |                          |
| • at AC   |   |                          |
| — at 50 Hz rated value  | 5 500 V   |                          |
| — at 60 Hz rated value  | 5 500 V   |                          |
| <ul> <li>at DC rated value</li> </ul>                           | 5 500 V   |                          |
| ower Electronics  |   |                          |
| contact reliability   | One maloperation per 100 million (17 V, 5 mA), one mal $(5 \text{ V}, 1 \text{ mA})$              | operation per 10 million |
| Control circuit/ Control  |   |                          |
| inrush current of LED module maximum                            | 2 A   |                          |
| uxiliary circuit  |   |                          |
| design of the contact of auxiliary contacts                     | Silver alloy  |                          |
| number of NC contacts for auxiliary contacts                    | 1   |                          |
| number of NO contacts for auxiliary contacts                    | 1   |                          |
| operational current at AC-15 at 230 V rated value               | 6 A   |                          |
| Connections/ Terminals  |   |                          |
| type of electrical connection                                   |   |                          |
| <ul> <li>of modules and accessories</li> </ul>                  | Spring-type terminal  |                          |
| type of connectable conductor cross-sections                    |   |                          |
| <ul> <li>solid without core end processing</li> </ul>           | 2x (0.25 1.5 mm²)   |                          |
| finely stranded with core end processing                        | 2x (0.25 0.75 mm²)  |                          |
| <ul> <li>finely stranded without core end processing</li> </ul> | 2x (0.25 1.5 mm²)   |                          |
| • for AWG cables  | 2x (24 16)  |                          |
| tightening torque of the screws in the bracket                  | 1 1.2 N·m   |                          |
| tightening torque   |   |                          |
| • for grounding   | 0.8 1 N·m   |                          |
| Ambient conditions  |   |                          |
| ambient temperature   |   |                          |
| during operation  | -25 +70 °C  |                          |
| during storage  | -40 +80 °C  |                          |
| environmental category during operation according to IEC 60721  | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) |                          |
| invironmental footprint   |   |                          |
| Environmental Product Declaration(EPD)                          | Yes   |                          |
| Global Warming Potential [CO2 eq] total                         | 0.593 kg  |                          |
| Global Warming Potential [CO2 eq] during manufacturing          | 0.625 kg  |                          |
| Global Warming Potential [CO2 eq] during operation              | 0.235 kg  |                          |
| global warming potential [CO2 eq] after end of life             | -0.267 kg   |                          |
| nstallation/ mounting/ dimensions                               |   |                          |
| fastening method  | front plate mounting  |                          |
| of modules and accessories                                      | Front plate mounting  |                          |
| height  | 40 mm   |                          |
| width   | 30 mm   |                          |
| shape of the installation opening                               | round   |                          |
| installation width  | 30 mm   |                          |
| installation depth  | 49.8 mm   |                          |
| thickness of the front plate usable                             | 1 6 mm  |                          |
| approvals Certificates  |   |                          |
|   |   | Declaration of Con-      |
| General Product Approval  |   | formity                  |



Confirmation









Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

**Environment** 



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=3SU1550-1AA10-3MA0

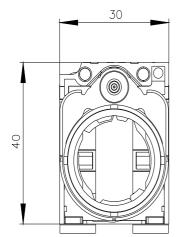
### Cax online generator

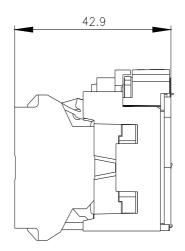
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

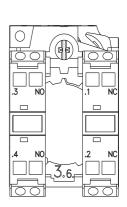
https://support.industry.siemens.com/cs/ww/en/ps/3SU1550-1AA10-3MA0

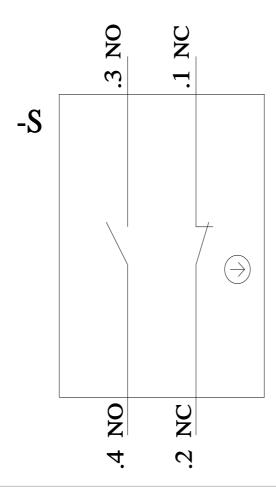
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1550-1AA10-3MA0&lang=en









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