

Siemens  
EcoTech



RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 2 switch positions O-I, latching, 10:30h/13:30h, key removal O+I, with holder, 1 NO, spring-type terminal, possible special locks: SB31, 421, 455



|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| product brand name                              | SIRIUS ACT                         |
| product designation                             | Key-operated switches              |
| design of the product                           | Complete unit                      |
| product type designation                        | 3SU1                               |
| product line                                    | Plastic, black, 22 mm              |
| manufacturer's article number                   |                                    |
| • of included key                               | <a href="#">3SU1950-0FB80-0AA0</a> |
| • of supplied contact module                    | <a href="#">3SU1400-1AA10-3BA0</a> |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-3BA0</a> |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator                      | <a href="#">3SU1000-4BF11-0AA0</a> |
| <b>Enclosure</b>                                |                                    |
| shape of the enclosure front                    | round                              |
| number of command points                        | 1                                  |
| <b>Actuator</b>                                 |                                    |
| principle of operation of the actuating element | latching, 90° (10:30 h/13:30 h)    |
| product extension optional light source         | No                                 |
| color of the actuating element                  | silver                             |
| material of the actuating element               | metal                              |
| shape of the actuating element                  | Key                                |
| outer diameter of the actuating element         | 29.5 mm                            |
| number of contact modules                       | 1                                  |
| number of switching positions                   | 2                                  |
| switch position for key distraction             | O+I                                |
| actuating angle                                 |                                    |
| • clockwise                                     | 90°                                |
| lock make                                       | RONIS                              |
| key number                                      | SB30                               |
| <b>Front ring</b>                               |                                    |
| product component front ring                    | Yes                                |
| design of the front ring                        | Standard                           |
| material of the front ring                      | plastic                            |
| color of the front ring                         | black                              |
| <b>Holder</b>                                   |                                    |
| material of the holder                          | Plastic                            |
| <b>General technical data</b>                   |                                    |
| product function positive opening               | No                                 |

|                                                                    |                                                                                                                                               |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| product component light source                                     | No                                                                                                                                            |
| <b>insulation voltage rated value</b>                              | 500 V                                                                                                                                         |
| <b>degree of pollution</b>                                         | 3                                                                                                                                             |
| type of voltage of the operating voltage                           | AC/DC                                                                                                                                         |
| <b>surge voltage resistance rated value</b>                        | 6 kV                                                                                                                                          |
| <b>protection class IP</b>                                         | IP66, IP67, IP69(IP69K)                                                                                                                       |
| protection class IP of the terminal                                | IP20                                                                                                                                          |
| <b>degree of protection NEMA rating</b>                            | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                    |
| <b>shock resistance</b>                                            |                                                                                                                                               |
| • according to IEC 60068-2-27                                      | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| • for railway applications according to EN 61373                   | Category 1, Class B                                                                                                                           |
| <b>vibration resistance</b>                                        |                                                                                                                                               |
| • according to IEC 60068-2-6                                       | 10 ... 500 Hz: 5g                                                                                                                             |
| • for railway applications according to EN 61373                   | Category 1, Class B                                                                                                                           |
| <b>operating frequency maximum</b>                                 | 1 800 1/h                                                                                                                                     |
| <b>mechanical service life (operating cycles) typical</b>          | 1 000 000                                                                                                                                     |
| electrical endurance (operating cycles) typical                    | 10 000 000                                                                                                                                    |
| <b>thermal current</b>                                             | 10 A                                                                                                                                          |
| <b>reference code according to IEC 81346-2</b>                     | S                                                                                                                                             |
| <b>continuous current of the C characteristic MCB</b>              | 10 A; for a short-circuit current smaller than 400 A                                                                                          |
| <b>continuous current of the quick DIAZED fuse link</b>            | 10 A                                                                                                                                          |
| <b>continuous current of the DIAZED fuse link gG</b>               | 10 A                                                                                                                                          |
| <b>Substance Prohibitance (Date)</b>                               | 10/01/2014                                                                                                                                    |
| <b>Weight</b>                                                      | 86 g                                                                                                                                          |
| <b>operating voltage</b>                                           |                                                                                                                                               |
| • rated value                                                      | 5 ... 500 V                                                                                                                                   |
| • at AC                                                            |                                                                                                                                               |
| — at 50 Hz rated value                                             | 5 ... 500 V                                                                                                                                   |
| — at 60 Hz rated value                                             | 5 ... 500 V                                                                                                                                   |
| • at DC rated value                                                | 5 ... 500 V                                                                                                                                   |
| <b>Power Electronics</b>                                           |                                                                                                                                               |
| <b>contact reliability</b>                                         | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)                                                    |
| <b>Auxiliary circuit</b>                                           |                                                                                                                                               |
| <b>design of the contact of auxiliary contacts</b>                 | Silver alloy                                                                                                                                  |
| <b>number of NC contacts for auxiliary contacts</b>                | 0                                                                                                                                             |
| <b>number of NO contacts for auxiliary contacts</b>                | 1                                                                                                                                             |
| <b>Connections/ Terminals</b>                                      |                                                                                                                                               |
| <b>type of electrical connection</b>                               |                                                                                                                                               |
| • of modules and accessories                                       | Spring-type terminal                                                                                                                          |
| <b>type of connectable conductor cross-sections</b>                |                                                                                                                                               |
| • solid without core end processing                                | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                                            |
| • finely stranded with core end processing                         | 2x (0.25 ... 0.75 mm <sup>2</sup> )                                                                                                           |
| • finely stranded without core end processing                      | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                                            |
| • for AWG cables                                                   | 2x (24 ... 16)                                                                                                                                |
| <b>tightening torque of the screws in the bracket</b>              | 1 ... 1.2 N·m                                                                                                                                 |
| <b>Ambient conditions</b>                                          |                                                                                                                                               |
| <b>ambient temperature</b>                                         |                                                                                                                                               |
| • during operation                                                 | -25 ... +70 °C                                                                                                                                |
| • during storage                                                   | -40 ... +80 °C                                                                                                                                |
| environmental category during operation according to IEC 60721     | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted for all devices behind front panel) |
| <b>Environmental footprint</b>                                     |                                                                                                                                               |
| Environmental Product Declaration (EPD)                            | Yes                                                                                                                                           |
| global warming potential [CO <sub>2</sub> eq] total                | 0.787 kg                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] during manufacturing | 0.566 kg                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] during operation     | 0.235 kg                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] after end of life    | -0.015 kg                                                                                                                                     |
| Siemens Eco Profile (SEP)                                          | Siemens EcoTech                                                                                                                               |
| <b>Installation/ mounting/ dimensions</b>                          |                                                                                                                                               |
| <b>fastening method</b>                                            |                                                                                                                                               |

|                                             |                      |
|---------------------------------------------|----------------------|
| • of modules and accessories                | Front plate mounting |
| height                                      | 40 mm                |
| width                                       | 30 mm                |
| shape of the installation opening           | round                |
| mounting diameter                           | 22.3 mm              |
| positive tolerance of installation diameter | 0.4 mm               |
| mounting height                             | 49.4 mm              |
| installation width                          | 29.5 mm              |
| installation depth                          | 49.7 mm              |

#### Approvals Certificates

|                          |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |
|--------------------------|-------------------|



[Type Test Certificates/Test Report](#)

|                   |                      |       |
|-------------------|----------------------|-------|
| Test Certificates | Maritime application | other |
|-------------------|----------------------|-------|

[Special Test Certificate](#)



|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)



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[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1100-4BF11-3BA0>

Cax online generator

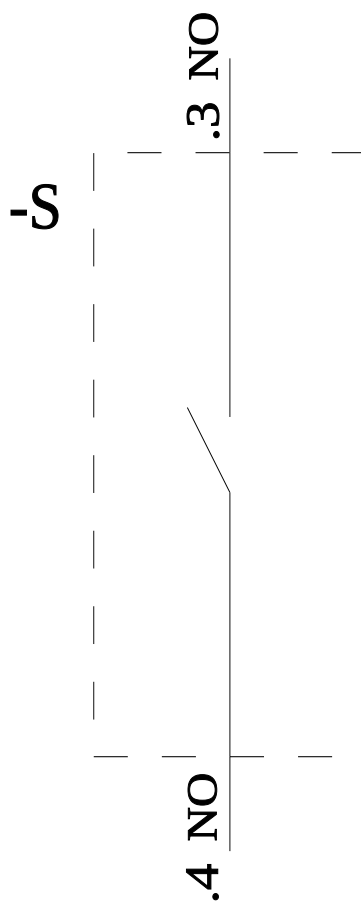
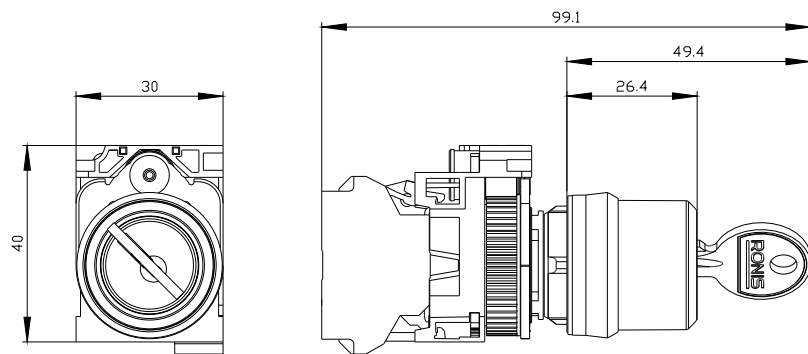
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-4BF11-3BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BF11-3BA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-4BF11-3BA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-4BF11-3BA0&lang=en)



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