

Siemens  
EcoTech



Toggle switch, 22 mm, round, metal, shiny, white, knob, long, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with holder, 1 NO, screw terminal



|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| product brand name                              | SIRIUS ACT                         |
| product designation                             | Selector switches                  |
| design of the product                           | Complete unit                      |
| product type designation                        | 3SU1                               |
| product line                                    | Metal, shiny, 22 mm                |
| manufacturer's article number                   |                                    |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1BA0</a> |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator                      | <a href="#">3SU1052-2CF60-0AA0</a> |
| Enclosure                                       |                                    |
| number of command points                        | 1                                  |
| Actuator                                        |                                    |
| design of the actuating element                 | selector, long                     |
| principle of operation of the actuating element | latching, 90° (10:30 h/13:30 h)    |
| product extension optional light source         | Yes                                |
| color of the actuating element                  | white                              |
| material of the actuating element               | plastic                            |
| shape of the actuating element                  | round                              |
| outer diameter of the actuating element         | 32.3 mm                            |
| number of contact modules                       | 1                                  |
| number of switching positions                   | 2                                  |
| actuating angle                                 |                                    |
| • clockwise                                     | 90°                                |
| Front ring                                      |                                    |
| product component front ring                    | Yes                                |
| design of the front ring                        | standard                           |
| material of the front ring                      | Metal, high gloss                  |
| color of the front ring                         | silver                             |
| Holder                                          |                                    |
| material of the holder                          | Plastic                            |
| Display                                         |                                    |
| number of LED modules                           | 0                                  |
| General technical data                          |                                    |
| product function positive opening               | No                                 |
| product component light source                  | No                                 |
| insulation voltage rated value                  | 500 V                              |
| degree of pollution                             | 3                                  |

|                                                                         |                                                                                                                                               |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| type of voltage of the operating voltage                                | AC/DC                                                                                                                                         |
| surge voltage resistance rated value                                    | 6 kV                                                                                                                                          |
| protection class IP                                                     | IP66, IP67, IP69(IP69K)                                                                                                                       |
| • of the terminal                                                       | IP20                                                                                                                                          |
| degree of protection NEMA rating                                        | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                    |
| shock resistance                                                        |                                                                                                                                               |
| • according to IEC 60068-2-27                                           | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| vibration resistance                                                    |                                                                                                                                               |
| • according to IEC 60068-2-6                                            | 10 ... 500 Hz: 5g                                                                                                                             |
| operating frequency maximum                                             | 1 800 1/h                                                                                                                                     |
| mechanical service life (operating cycles) typical                      | 1 000 000                                                                                                                                     |
| electrical endurance (operating cycles) typical                         | 10 000 000                                                                                                                                    |
| thermal current                                                         | 10 A                                                                                                                                          |
| reference code according to IEC 81346-2                                 | S                                                                                                                                             |
| 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                                                                                                                                   |
| • at DC rated value                                                     | 5 ... 500 V                                                                                                                                   |
| <b>Power Electronics</b>                                                |                                                                                                                                               |
| contact reliability                                                     | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)                                                    |
| <b>Auxiliary circuit</b>                                                |                                                                                                                                               |
| design of the contact of auxiliary contacts                             | Silver alloy                                                                                                                                  |
| number of NC contacts for auxiliary contacts                            | 0                                                                                                                                             |
| number of NO contacts for auxiliary contacts                            | 1                                                                                                                                             |
| <b>Connections/ Terminals</b>                                           |                                                                                                                                               |
| type of electrical connection                                           | screw terminal                                                                                                                                |
| • of modules and accessories                                            | Screw-type terminal                                                                                                                           |
| type of connectable conductor cross-sections                            |                                                                                                                                               |
| • solid with core end processing                                        | 2x (0.5 ... 0.75 mm <sup>2</sup> )                                                                                                            |
| • solid without core end processing                                     | 2x (1.0 ... 1.5 mm <sup>2</sup> )                                                                                                             |
| • finely stranded with core end processing                              | 2x (0.5 ... 1.5 mm <sup>2</sup> )                                                                                                             |
| • finely stranded without core end processing                           | 2x (1,0 ... 1,5 mm <sup>2</sup> )                                                                                                             |
| • for AWG cables                                                        | 2x (18 ... 14)                                                                                                                                |
| tightening torque of the screws in the bracket                          | 1 ... 1.2 N·m                                                                                                                                 |
| tightening torque with screw-type terminals                             | 0.8 ... 0.9 N·m                                                                                                                               |
| <b>Safety related data</b>                                              |                                                                                                                                               |
| proportion of dangerous failures                                        |                                                                                                                                               |
| • with low demand rate according to SN 31920                            | 20 %                                                                                                                                          |
| • with high demand rate according to SN 31920                           | 20 %                                                                                                                                          |
| B10 value with high demand rate according to SN 31920                   | 100 000                                                                                                                                       |
| failure rate [FIT] with low demand rate according to SN 31920           | 100 FIT                                                                                                                                       |
| <b>IEC 61508</b>                                                        |                                                                                                                                               |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a                                                                                                                                          |
| <b>Ambient conditions</b>                                               |                                                                                                                                               |
| ambient temperature                                                     |                                                                                                                                               |
| • 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 [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            |
| Siemens Eco Profile (SEP)                           | Siemens EcoTech      |
| <b>Installation/ mounting/ dimensions</b>           |                      |
| <b>fastening method</b>                             |                      |
| • of modules and accessories                        | Front plate mounting |
| <b>height</b>                                       | 40 mm                |
| <b>width</b>                                        | 32.3 mm              |
| <b>shape of the installation opening</b>            | round                |
| <b>mounting diameter</b>                            | 22.3 mm              |
| <b>positive tolerance of installation diameter</b>  | 0.4 mm               |
| <b>mounting height</b>                              | 28.8 mm              |
| <b>installation width</b>                           | 32.3 mm              |
| <b>installation depth</b>                           | 49.7 mm              |
| <b>Approvals Certificates</b>                       |                      |
| <b>General Product Approval</b>                     |                      |



[Confirmation](#)



|                                          |                                                    |                                                                                     |
|------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Test Certificates</b>                 | <b>other</b>                                       | <b>Environment</b>                                                                  |
| <a href="#">Special Test Certificate</a> | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a>                                                        |
|                                          |                                                    |    |
|                                          |                                                    |  |
|                                          |                                                    |  |
|                                          |                                                    | <a href="#">Environmental Confirmations</a>                                         |

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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p><b>Information on the packaging</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p><b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p><b>Industry Mall (Online ordering system)</b><br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-2CF60-1BA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-2CF60-1BA0</a></p> <p><b>Cax online generator</b><br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1150-2CF60-1BA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1150-2CF60-1BA0</a></p> <p><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2CF60-1BA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2CF60-1BA0</a></p> <p><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-2CF60-1BA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-2CF60-1BA0&amp;lang=en</a></p> |



