

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal, momentary contact type, without mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, lower case



|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| product brand name                              | SIRIUS ACT                                      |
| product designation                             | Coordinate switches                             |
| design of the product                           | Complete unit                                   |
| product type designation                        | 3SU1                                            |
| product line                                    | Plastic, black, 22 mm                           |
| manufacturer's article number                   |                                                 |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1BA0</a>              |
| • of supplied contact module at position 3      | <a href="#">3SU1400-1AA10-1BA0</a>              |
| • of the supplied holder                        | <a href="#">3SU1550-0BA10-0AA0</a>              |
| • of the supplied actuator                      | <a href="#">3SU1000-7AC10-0AA0</a>              |
| <b>Enclosure</b>                                |                                                 |
| shape of the enclosure front                    | round                                           |
| <b>Actuator</b>                                 |                                                 |
| design of the actuating element                 | without mechanical interlock                    |
| principle of operation of the actuating element | momentary contact type                          |
| direction of actuation                          | horizontal                                      |
| product extension optional light source         | No                                              |
| color of the actuating element                  | black                                           |
| material of the actuating element               | plastic                                         |
| shape of the actuating element                  | Extended handle                                 |
| outer diameter of the actuating element         | 30.5 mm                                         |
| marking of the actuating element                | Customized labeling, text in lower case letters |
| number of contact modules                       | 2                                               |
| number of switching positions                   | 2                                               |
| Maximum deflection angle [°]                    | 30°                                             |
| <b>Front ring</b>                               |                                                 |
| product component front ring                    | Yes                                             |
| design of the front ring                        | high                                            |
| 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                                              |
| 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                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• protection class IP</li> <li>• protection class IP of the terminal</li> </ul>                                                                                                                                               | IP65, IP67<br>IP20                                                                                                                                                  |
| shock resistance                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> </ul>                                                                                                                                                                                      | sinusoidal half-wave 15g / 11 ms                                                                                                                                    |
| vibration resistance                                                                                                                                                                                                                                                 |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> </ul>                                                                                                                                                                                       | 10 ... 500 Hz: 5g                                                                                                                                                   |
| operating frequency maximum                                                                                                                                                                                                                                          | 2 400 1/h                                                                                                                                                           |
| mechanical service life (operating cycles)                                                                                                                                                                                                                           |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• as operating period per direction of actuation typical</li> </ul>                                                                                                                                                           | 500 000                                                                                                                                                             |
| electrical endurance (operating cycles) typical                                                                                                                                                                                                                      | 10 000 000                                                                                                                                                          |
| electrical endurance (operating cycles) with contactors 3RT1015 to 3RT1026 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                                                                                                                                                                                                                                                    |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC rated value</li> </ul>                                                                     | 5 ... 500 V<br>5 ... 500 V<br>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                                                                                                                                                                                                                         | 2                                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                        |                                                                                                                                                                     |
| type of electrical connection of modules and accessories                                                                                                                                                                                                             | Screw-type terminal                                                                                                                                                 |
| type of connectable conductor cross-sections                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• for AWG cables</li> </ul> | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (18 ... 14) |
| tightening torque of the screws in the bracket                                                                                                                                                                                                                       | 1 ... 1.2 N·m                                                                                                                                                       |
| tightening torque for auxiliary contacts with screw-type terminals                                                                                                                                                                                                   | 0.8 ... 1 N·m                                                                                                                                                       |
| <b>Safety related data</b>                                                                                                                                                                                                                                           |                                                                                                                                                                     |
| proportion of dangerous failures                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul>                                                                                                                | 20 %<br>20 %                                                                                                                                                        |
| B10 value with high demand rate according to SN 31920                                                                                                                                                                                                                | 250 000                                                                                                                                                             |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                                                                                                                                        | 100 FIT                                                                                                                                                             |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| ambient temperature                                                                                                                                                                                                                                                  |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>                                                                                                                                                                       | -25 ... +70 °C<br>-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                                                                                                                                                     |

## Installation/ mounting/ dimensions

|                                               |                      |
|-----------------------------------------------|----------------------|
| • fastening method                            | front plate mounting |
| • fastening method of modules and accessories | Front plate mounting |
| height                                        | 40 mm                |
| width                                         | 40 mm                |
| shape of the installation opening             | round                |
| mounting diameter                             | 22.3 mm              |
| positive tolerance of installation diameter   | 0.4 mm               |
| mounting height                               | 71.3 mm              |
| installation width                            | 30.5 mm              |
| installation depth                            | 53.7 mm              |

## Approvals Certificates

### General Product Approval



[Confirmation](#)



### Test Certificates

### Marine / Shipping

[Type Test Certificates/Test Report](#)

[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- 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=3SU1100-7AC10-1NA0-Z Y12>

### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AC10-1NA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AC10-1NA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-7AC10-1NA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AC10-1NA0-Z Y12&lang=en)



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