

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal, Z=20-unit packaging



|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| 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 2      | <a href="#">3SU1400-1AA10-1BA0</a> |
| • of supplied contact module at position 4      | <a href="#">3SU1400-1AA10-1BA0</a> |
| • of the supplied holder                        | <a href="#">3SU1550-0BA10-0AA0</a> |
| • of the supplied actuator                      | <a href="#">3SU1000-7BD10-0AA0</a> |
| Enclosure                                       |                                    |
| shape of the enclosure front                    | round                              |
| Actuator                                        |                                    |
| design of the actuating element                 | with mechanical interlocking       |
| principle of operation of the actuating element | momentary contact type             |
| direction of actuation                          | vertical                           |
| 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                            |
| number of contact modules                       | 2                                  |
| type of unlocking device                        | push-to-unlatch mechanism          |
| number of switching positions                   | 2                                  |
| Maximum deflection angle [°]                    | 30°                                |
| Front ring                                      |                                    |
| product component front ring                    | Yes                                |
| design of the front ring                        | high                               |
| material of the front ring                      | plastic                            |
| color of the front ring                         | black                              |
| Holder                                          |                                    |
| material of the holder                          | Plastic                            |
| General technical data                          |                                    |
| product function positive opening               | No                                 |
| insulation voltage rated value                  | 500 V                              |
| degree of pollution                             | 3                                  |
| type of voltage of the operating voltage        | AC/DC                              |

|                                                                                                                                                                                                                                                                      |                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>surge voltage resistance rated value</b>                                                                                                                                                                                                                          | 6 kV                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• <b>protection class IP</b></li> <li>• protection class IP of the terminal</li> </ul>                                                                                                                                        | IP65, IP67<br>IP20                                                                                                                            |
| <b>shock resistance</b>                                                                                                                                                                                                                                              |                                                                                                                                               |
| <ul style="list-style-type: none"> <li>• <b>according to IEC 60068-2-27</b></li> </ul>                                                                                                                                                                               | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| <b>vibration resistance</b>                                                                                                                                                                                                                                          |                                                                                                                                               |
| <ul style="list-style-type: none"> <li>• <b>according to IEC 60068-2-6</b></li> </ul>                                                                                                                                                                                | 10 ... 500 Hz: 5g                                                                                                                             |
| <b>operating frequency maximum</b>                                                                                                                                                                                                                                   | 2 400 1/h                                                                                                                                     |
| <b>mechanical service life (operating cycles)</b>                                                                                                                                                                                                                    |                                                                                                                                               |
| <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                                                                                                                                    |
| <b>electrical endurance (operating cycles) with contactors 3RT1015 to 3RT1026 typical</b>                                                                                                                                                                            | 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>operating voltage</b>                                                                                                                                                                                                                                             |                                                                                                                                               |
| <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>                                                                                                                                                                                                                                             |                                                                                                                                               |
| <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>                                                                                                                                                                                                                  | 2                                                                                                                                             |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                        |                                                                                                                                               |
| type of electrical connection of modules and accessories                                                                                                                                                                                                             | Screw-type terminal                                                                                                                           |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                  |                                                                                                                                               |
| <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 mm²)<br>2x (1.0 ... 1.5 mm²)<br>2x (0.5 ... 1.5 mm²)<br>2x (1.0 ... 1.5 mm²)<br>2x (18 ... 14)                               |
| <b>tightening torque of the screws in the bracket</b>                                                                                                                                                                                                                | 1 ... 1.2 N·m                                                                                                                                 |
| tightening torque for auxiliary contacts with screw-type terminals                                                                                                                                                                                                   | 0.8 ... 1 N·m                                                                                                                                 |
| <b>Safety related data</b>                                                                                                                                                                                                                                           |                                                                                                                                               |
| <b>proportion of dangerous failures</b>                                                                                                                                                                                                                              |                                                                                                                                               |
| <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 %                                                                                                                                  |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                                                         | 250 000                                                                                                                                       |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b>                                                                                                                                                                                                 | 100 FIT                                                                                                                                       |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                            |                                                                                                                                               |
| <b>ambient temperature</b>                                                                                                                                                                                                                                           |                                                                                                                                               |
| <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 [CO2 eq] total                                                                                                                                                                                                                              | 0.787 kg                                                                                                                                      |
| Global Warming Potential [CO2 eq] during manufacturing                                                                                                                                                                                                               | 0.566 kg                                                                                                                                      |
| Global Warming Potential [CO2 eq] during operation                                                                                                                                                                                                                   | 0.235 kg                                                                                                                                      |
| Global Warming Potential [CO2 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                               | 75.6 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=3SU1100-7BD10-1NA0-Z X90>

### Cax online generator

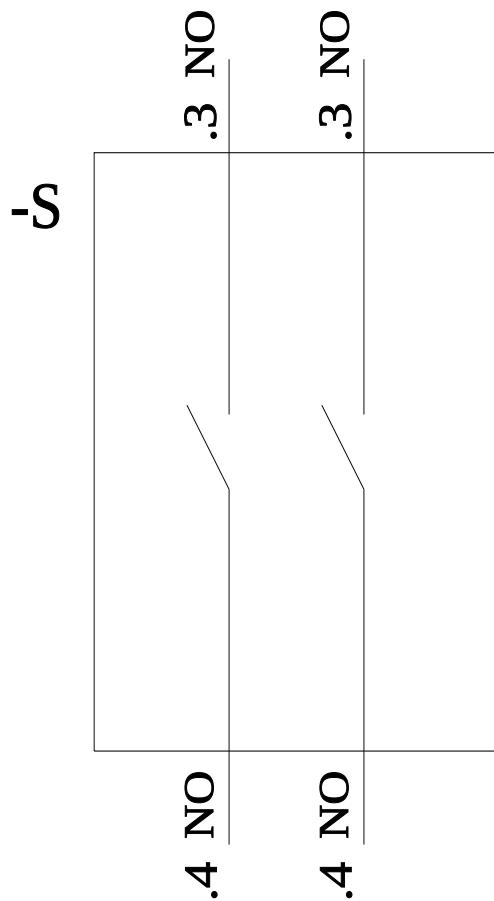
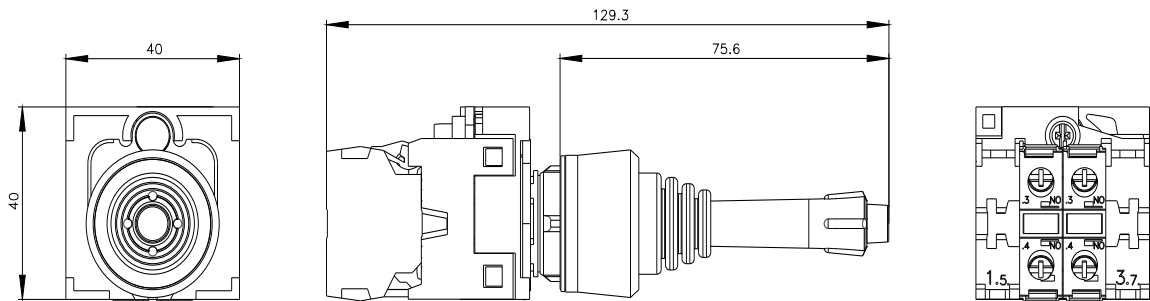
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BD10-1NA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BD10-1NA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-7BD10-1NA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BD10-1NA0-Z X90&lang=en)





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