

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, with laser labeling, upper case and lower case, always upper case at beginning of line



|                                                 |                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------|
| 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                                                                                      |
| marking of the actuating element                | Customized labeling, text in lower case/capital letters, all lines start with capital letter |
| 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                                                                                        |

|                                                                                           |                                                                                                                                               |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                                                                | IP65, IP67                                                                                                                                    |
| protection class IP of the terminal                                                       | IP20                                                                                                                                          |
| <b>shock resistance</b>                                                                   |                                                                                                                                               |
| • according to IEC 60068-2-27                                                             | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| <b>vibration resistance</b>                                                               |                                                                                                                                               |
| • according to IEC 60068-2-6                                                              | 10 ... 500 Hz: 5g                                                                                                                             |
| <b>operating frequency maximum</b>                                                        | 2 400 1/h                                                                                                                                     |
| <b>mechanical service life (operating cycles)</b>                                         |                                                                                                                                               |
| • as operating period per direction of actuation typical                                  | 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>Weight</b>                                                                             | 0.071 kg                                                                                                                                      |
| <b>operating voltage</b>                                                                  |                                                                                                                                               |
| • 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>                                       | 2                                                                                                                                             |
| <b>Connections/ Terminals</b>                                                             |                                                                                                                                               |
| type of electrical connection of modules and accessories                                  | Screw-type terminal                                                                                                                           |
| <b>type of connectable conductor cross-sections</b>                                       |                                                                                                                                               |
| • 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)                                                                                                                                |
| <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>                                                   |                                                                                                                                               |
| • with low demand rate according to SN 31920                                              | 20 %                                                                                                                                          |
| • with high demand rate according to SN 31920                                             | 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>IEC 61508</b>                                                                          |                                                                                                                                               |
| T1 value for proof test interval or service life according to IEC 61508                   | 20 a                                                                                                                                          |
| <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 [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

|                                                    |                      |
|----------------------------------------------------|----------------------|
| <b>fastening method</b>                            | front plate mounting |
| • of modules and accessories                       | Front plate mounting |
| <b>height</b>                                      | 40 mm                |
| <b>width</b>                                       | 40 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>                             | 75.6 mm              |
| <b>installation width</b>                          | 30.5 mm              |
| <b>installation depth</b>                          | 53.7 mm              |

#### Approvals Certificates

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

[Confirmation](#)



[Type Test Certificates/Test Report](#)

|                   |       |             |
|-------------------|-------|-------------|
| Test Certificates | other | Environment |
|-------------------|-------|-------------|

[Special Test Certificate](#)

[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 Y10>

Cax online generator

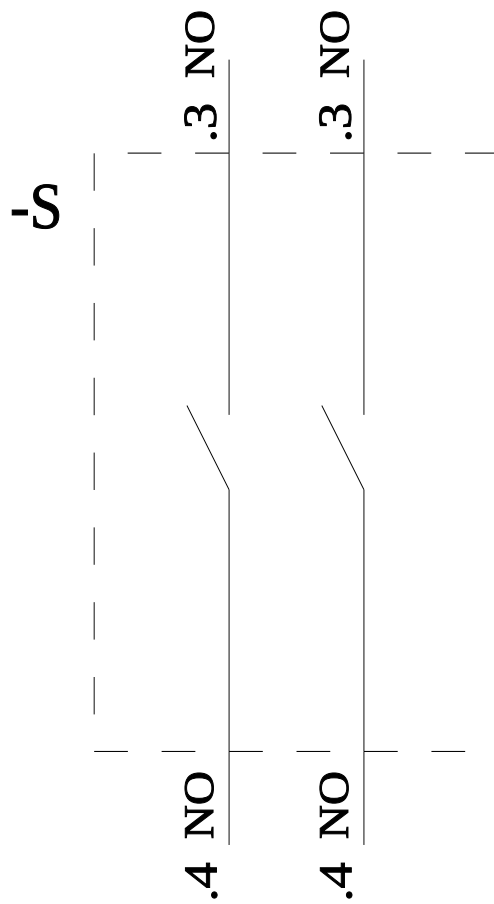
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BD10-1NA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BD10-1NA0-Z Y10>

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 Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BD10-1NA0-Z Y10&lang=en)



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