



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, without mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

|                                                 |                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 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="#">3SU1500-0BA10-0AA0</a>                                                                                         |
| • of the supplied actuator                      | <a href="#">3SU1000-7AD10-0AA0</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                          | 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                | Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| 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                                                                                                                                                               |
| <b>surge voltage resistance rated value</b>                                                                                                                                                                                                      | 6 kV                                                                                                                                                                |
| <b>protection class IP</b><br>• of the terminal                                                                                                                                                                                                  | IP65, IP67<br>IP20                                                                                                                                                  |
| <b>shock resistance</b><br>• acc. to IEC 60068-2-27<br>• for railway applications acc. to DIN EN 61373                                                                                                                                           | Sinusoidal half-wave 50g / 11 ms<br>Category 1, Class B                                                                                                             |
| <b>vibration resistance</b><br>• acc. to IEC 60068-2-6<br>• for railway applications acc. to DIN EN 61373                                                                                                                                        | 10 ... 500 Hz: 5g<br>Category 1, Class B                                                                                                                            |
| <b>operating frequency maximum</b>                                                                                                                                                                                                               | 3 600 1/h                                                                                                                                                           |
| <b>mechanical service life (switching cycles)</b><br>• as operating period per direction of actuation typical                                                                                                                                    | 500 000                                                                                                                                                             |
| electrical endurance (switching cycles) typical                                                                                                                                                                                                  | 10 000 000                                                                                                                                                          |
| <b>electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical</b>                                                                                                                                                        | 10 000 000                                                                                                                                                          |
| <b>thermal current</b>                                                                                                                                                                                                                           | 10 A                                                                                                                                                                |
| <b>reference code acc. 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><br>• operating voltage at AC<br>— at 50 Hz rated value<br>— at 60 Hz rated value<br>• operating voltage at DC rated value                                                                   | 10 A<br>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><br>• solid with core end processing<br>• solid without core end processing<br>• finely stranded with core end processing<br>• finely stranded without core end processing<br>• at AWG cables | 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) |
| <b>tightening torque of the screws in the bracket</b><br>• tightening torque for auxiliary contacts with screw-type terminals                                                                                                                    | 1 ... 1.2 N·m<br>0.8 ... 1 N·m                                                                                                                                      |
| <b>Safety related data</b>                                                                                                                                                                                                                       |                                                                                                                                                                     |
| B10 value with high demand rate acc. to SN 31920                                                                                                                                                                                                 | 250 000                                                                                                                                                             |
| <b>proportion of dangerous failures</b><br>• with low demand rate acc. to SN 31920<br>• with high demand rate acc. to SN 31920                                                                                                                   | 20 %<br>20 %                                                                                                                                                        |
| failure rate [FIT] with low demand rate acc. to SN 31920                                                                                                                                                                                         | 100 FIT                                                                                                                                                             |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b>                                                                                                                                                                        | 20 y                                                                                                                                                                |
| <b>Ambient conditions</b>                                                                                                                                                                                                                        |                                                                                                                                                                     |
| • ambient temperature during operation<br>• ambient temperature during storage                                                                                                                                                                   | -25 ... +70 °C<br>-40 ... +80 °C                                                                                                                                    |
| environmental category during operation acc. 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>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                        |                                                                                                                                                                     |
| <b>fastening method</b>                                                                                                                                                                                                                          | front panel mounting                                                                                                                                                |

|                                             |                      |
|---------------------------------------------|----------------------|
| • 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              |

#### Certificates/ approvals

#### Further information

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=3SU1100-7AD10-1NA0-Z Y19>

Cax online generator

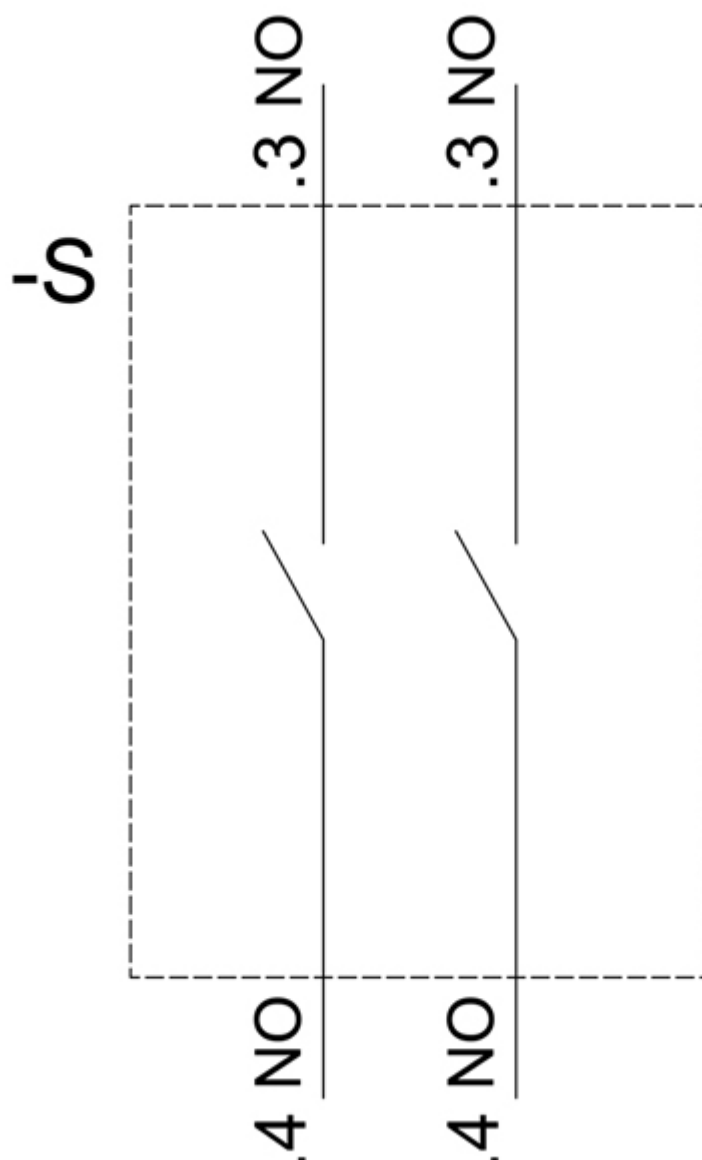
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AD10-1NA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AD10-1NA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-7AD10-1NA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AD10-1NA0-Z Y19&lang=en)



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