

Coordinate switch, 22 mm, round, plastic with metal front ring, black, 4 switch positions, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal, with laser labeling, upper case

|                                                          |                                              |
|----------------------------------------------------------|----------------------------------------------|
| <b>product brand name</b>                                | SIRIUS ACT                                   |
| <b>product designation</b>                               | Coordinate switches                          |
| <b>design of the product</b>                             | Complete unit                                |
| <b>product type designation</b>                          | 3SU1                                         |
| <b>product line</b>                                      | Plastic with metal front ring, matt, 22 mm   |
| <b>manufacturer's article number</b>                     |                                              |
| • of supplied contact module at position 1               | <a href="#">3SU1400-1AA10-1BA0</a>           |
| • of supplied contact module at position 2               | <a href="#">3SU1400-1AA10-1BA0</a>           |
| • of supplied contact module at position 3               | <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="#">3SU1030-7BF10-0AA0</a>           |
| <b>Enclosure</b>                                         |                                              |
| <b>shape of the enclosure front</b>                      | round                                        |
| <b>Actuator</b>                                          |                                              |
| <b>design of the actuating element</b>                   | with mechanical interlocking                 |
| <b>principle of operation of the actuating element</b>   | momentary contact type                       |
| <b>direction of actuation</b>                            | horizontal / vertical                        |
| product extension optional light source                  | No                                           |
| color of the actuating element                           | black                                        |
| <b>material of the actuating element</b>                 | plastic                                      |
| <b>shape of the actuating element</b>                    | Extended handle                              |
| <b>outer diameter of the actuating element</b>           | 30.5 mm                                      |
| <b>marking of the actuating element</b>                  | Customized labeling, text in capital letters |
| <b>number of contact modules</b>                         | 4                                            |
| <b>type of unlocking device</b>                          | push-to-unlatch mechanism                    |
| <b>number of switching positions</b>                     | 4                                            |
| <b>Maximum deflection angle [°]</b>                      | 30°                                          |
| <b>Front ring</b>                                        |                                              |
| <b>product component front ring</b>                      | Yes                                          |
| <b>design of the front ring</b>                          | high                                         |
| <b>material of the front ring</b>                        | Metal, matt                                  |
| <b>color of the front ring</b>                           | sand gray                                    |
| <b>Holder</b>                                            |                                              |
| <b>material of the holder</b>                            | Plastic                                      |
| <b>General technical data</b>                            |                                              |
| product function positive opening                        | No                                           |
| <b>insulation voltage rated value</b>                    | 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                                   |
| • 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>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>                                       | 4                                                                                                                                             |
| <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>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>Installation/ mounting/ dimensions</b>                                                 |                                                                                                                                               |
| <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                                                                                                                                       |
| <b>Approvals Certificates</b>                                                             |                                                                                                                                               |
| <b>General Product Approval</b>                                                           |                                                                                                                                               |



[Confirmation](#)



#### Test Certificates

#### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



#### other

#### Environment

[Confirmation](#)

[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=3SU1130-7BF10-1QA0-Z Y11>

Cax online generator

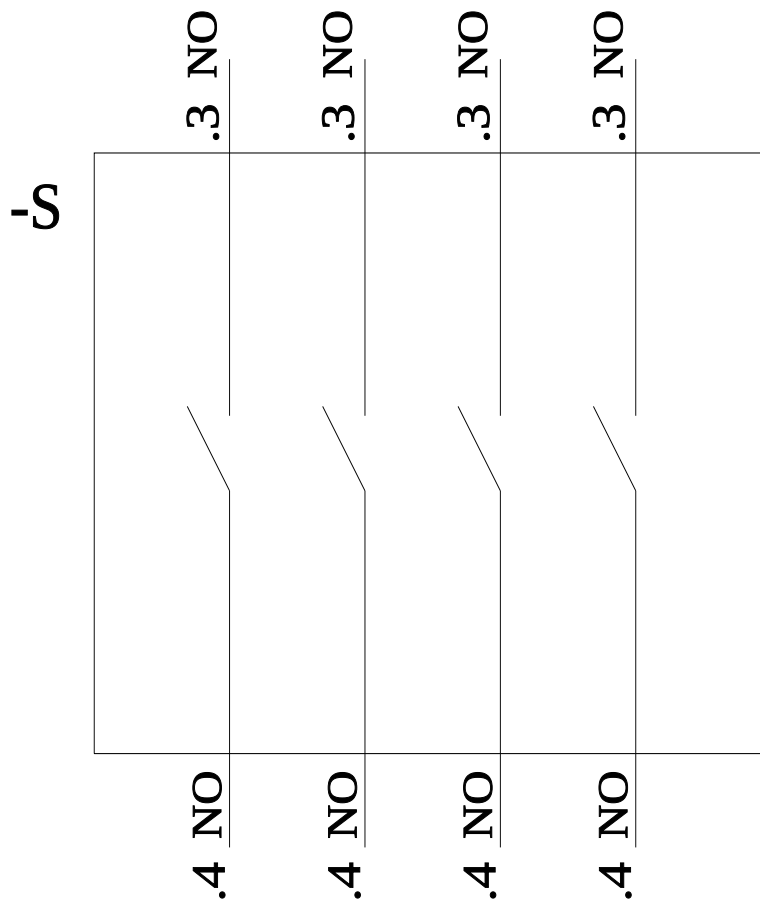
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7BF10-1QA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7BF10-1QA0-Z Y11>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1130-7BF10-1QA0-Z Y11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7BF10-1QA0-Z Y11&lang=en)



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