



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal latching, without 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 the beginning of the word

|  |  |
|--|--|
| <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>   |  |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of supplied contact module at position 3</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1500-0BA10-0AA0</a><br><a href="#">3SU1030-7AA10-0AA0</a> |
| <b>Enclosure</b>   |  |
| <b>shape of the enclosure front</b>  | round  |
| <b>Actuator</b>  |  |
| <b>design of the actuating element</b>   | without mechanical interlock   |
| <b>principle of operation of the actuating element</b>   | latching   |
| <b>direction of actuation</b>  | horizontal   |
| 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>  | Any inscription, text in upper/lower case, all words begin with upper case letters   |
| <b>number of contact modules</b>   | 2  |
| <b>number of switching positions</b>   | 2  |
| <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   |
| 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   |
| • of the terminal   | IP20   |
| <b>shock resistance</b>   |  |
| • acc. to IEC 60068-2-27  | Sinusoidal half-wave 50g / 11 ms   |
| • for railway applications acc. to DIN EN 61373   | Category 1, Class B  |
| <b>vibration resistance</b>   |  |
| • acc. to IEC 60068-2-6   | 10 ... 500 Hz: 5g  |
| • for railway applications acc. to DIN EN 61373   | Category 1, Class B  |
| <b>operating frequency maximum</b>  | 3 600 1/h  |
| <b>mechanical service life (switching cycles)</b>   |  |
| • as operating period per direction of actuation typical                                  | 100 000  |
| 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>                                      | 10 A   |
| • operating voltage at AC   |  |
| — at 50 Hz rated value  | 5 ... 500 V  |
| — at 60 Hz rated value  | 5 ... 500 V  |
| • operating voltage 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> )  |
| • at 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>  |  |
| B10 value with high demand rate acc. to SN 31920  | 100 000  |
| <b>proportion of dangerous failures</b>   |  |
| • with low demand rate acc. to SN 31920   | 20 %   |
| • with high demand rate acc. to SN 31920  | 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  | -25 ... +70 °C   |
| • ambient temperature during storage  | -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=3SU1130-7AA10-1NA0-Z Y15>

Cax online generator

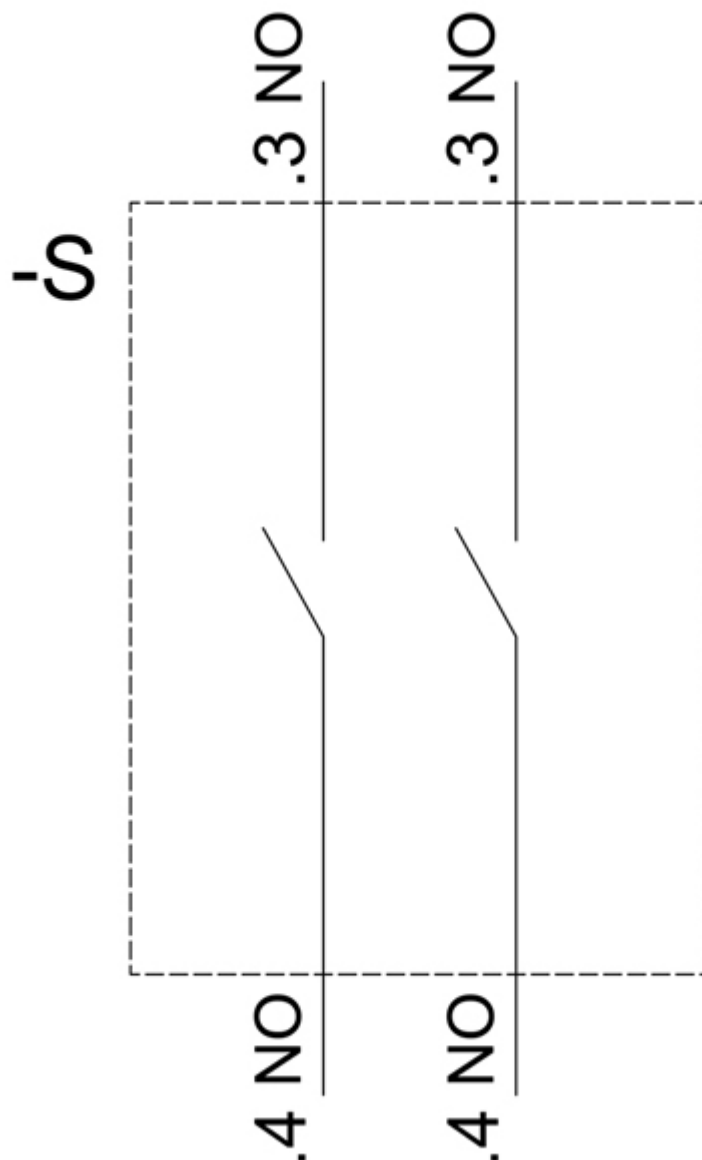
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AA10-1NA0-Z Y15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AA10-1NA0-Z Y15>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1130-7AA10-1NA0-Z Y15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AA10-1NA0-Z Y15&lang=en)



last modified:

8/31/2020 