



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal, momentary contact type, without 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 with metal front ring, matt, 22 mm |
| manufacturer's article number                   |                                            |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1BA0</a>         |
| • of supplied contact module at position 3      | <a href="#">3SU1400-1AA10-1BA0</a>         |
| • of the supplied holder                        | <a href="#">3SU1550-0BA10-0AA0</a>         |
| • of the supplied actuator                      | <a href="#">3SU1030-7AC10-0AA0</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                          | horizontal                                 |
| 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                                          |
| 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                      | Metal, matt                                |
| color of the front ring                         | sand gray                                  |
| <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                                      |
| surge voltage resistance rated value            | 6 kV                                       |
| protection class IP                             | IP65, IP67                                 |
| • of the terminal                               | IP20                                       |
| shock resistance                                |                                            |

|                                                                                                                                                                                                                                                                      |                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> </ul>                                                                                                                                                                                      | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| <b>vibration resistance</b>                                                                                                                                                                                                                                          |                                                                                                                                               |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</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>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                            |                                                                                                                                               |
| <b>fastening method</b>                                                                                                                                                                                                                                              | front plate mounting                                                                                                                          |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                       | 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>                                                                                                                                                                                                                                               | 71.3 mm                                                                                                                                       |
| <b>installation width</b>                                                                                                                                                                                                                                            | 30.5 mm                                                                                                                                       |
| <b>installation depth</b>                                                                                                                                                                                                                                            | 53.7 mm                                                                                                                                       |

## Approvals Certificates

General Product Approval

Test Certificates

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Marine / Shipping

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## 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=3SU1130-7AC10-1NA0-Z X90>

Cax online generator

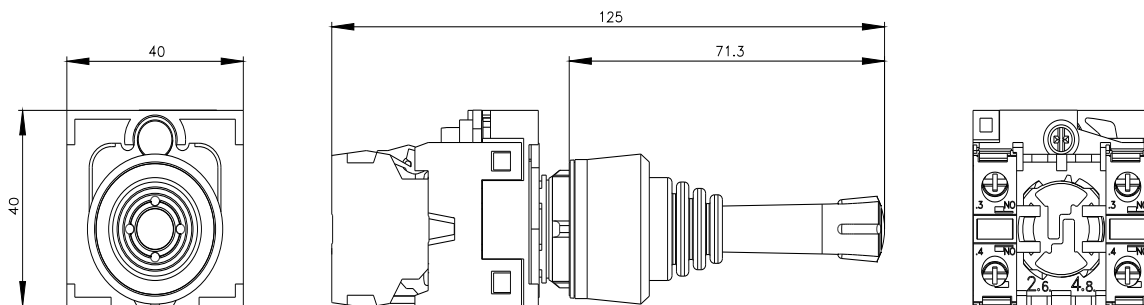
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AC10-1NA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AC10-1NA0-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=3SU1130-7AC10-1NA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AC10-1NA0-Z X90&lang=en)





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