



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, upper case and lower case, always upper case at the beginning of the word

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| <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, black, 22 mm  |
| <b>manufacturer's article number</b>   |  |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 2</li> <li>• of supplied contact module at position 4</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="#">3SU1550-0BA10-0AA0</a><br><a href="#">3SU1000-7AD10-0AA0</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>   | momentary contact type   |
| <b>direction of actuation</b>  | 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>  | 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>  | plastic  |
| <b>color of the front ring</b>   | black  |
| <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   |

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| <b>protection class IP</b><br>• of the terminal  | IP65, IP67<br>IP20  |
| <b>shock resistance</b><br>• according to IEC 60068-2-27   | sinusoidal half-wave 15g / 11 ms  |
| <b>vibration resistance</b><br>• according to IEC 60068-2-6  | 10 ... 500 Hz: 5g   |
| <b>operating frequency maximum</b>   | 2 400 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 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><br>• at AC<br>— at 50 Hz rated value<br>— at 60 Hz rated value<br>• at DC rated value   | 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>  | 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 according to SN 31920  | 250 000   |
| <b>proportion of dangerous failures</b><br>• with low demand rate according to SN 31920<br>• with high demand rate according to SN 31920   | 20 %<br>20 %  |
| failure rate [FIT] with low demand rate according to SN 31920  | 100 FIT   |
| <b>Ambient conditions</b>  |   |
| <b>ambient temperature</b><br>• during operation<br>• during storage   | -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><br>• of modules and accessories  | front plate mounting<br>Front plate mounting  |
| <b>height</b>  | 40 mm   |
| <b>width</b>   | 40 mm   |
| <b>shape of the installation opening</b>   | round   |

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| 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 Y15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AD10-1NA0-Z Y15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AD10-1NA0-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=3SU1100-7AD10-1NA0-Z Y15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AD10-1NA0-Z Y15&lang=en)

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