

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, 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 and lower case, always upper case at the beginning of the word

|  |  |
|--|--|
| 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  |  |
| <ul style="list-style-type: none"> <li>of supplied contact module at position 1</li> <li>of supplied contact module at position 2</li> <li>of supplied contact module at position 3</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="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1550-0BA10-0AA0</a><br><a href="#">3SU1000-7BF10-0AA0</a> |
| <b>Enclosure</b>   |  |
| shape of the enclosure front   | round  |
| <b>Actuator</b>  |  |
| design of the actuating element  | with mechanical interlocking   |
| principle of operation of the actuating element  | momentary contact type   |
| direction of actuation   | horizontal / 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   | Customized labeling, text in lower case / capital letters, all words start with capital letters  |
| number of contact modules  | 4  |
| type of unlocking device   | push-to-unlatch mechanism  |
| number of switching positions  | 4  |
| 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  |
| surge voltage resistance rated value   | 6 kV   |
| <ul style="list-style-type: none"> <li>protection class IP</li> <li>protection class IP of the terminal</li> </ul>   | IP65, IP67<br>IP20   |
| shock resistance   |  |
| <ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>  | sinusoidal half-wave 15g / 11 ms   |
| vibration resistance   |  |
| <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>   |   |
| • 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>Environmental footprint</b>  |   |
| Environmental Product Declaration (EPD)   | Yes   |
| Global Warming Potential [CO2 eq] total   | 0.787 kg  |
| Global Warming Potential [CO2 eq] during manufacturing                                    | 0.566 kg  |
| Global Warming Potential [CO2 eq] during operation  | 0.235 kg  |
| Global Warming Potential [CO2 eq] after end of life                                       | -0.015 kg   |
| Siemens Eco Profile (SEP)   | Siemens EcoTech   |
| <b>Installation/ mounting/ dimensions</b>   |   |
| • <b>fastening method</b>   | front plate mounting  |
| • fastening method 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   |

|   |         |
|---|---------|
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 75.6 mm |
| installation width                          | 30.5 mm |
| installation depth                          | 53.7 mm |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



##### Test Certificates

##### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### other

##### Environment

[Confirmation](#)



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[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=3SU1100-7BF10-1QA0-Z Y15>

##### Cax online generator

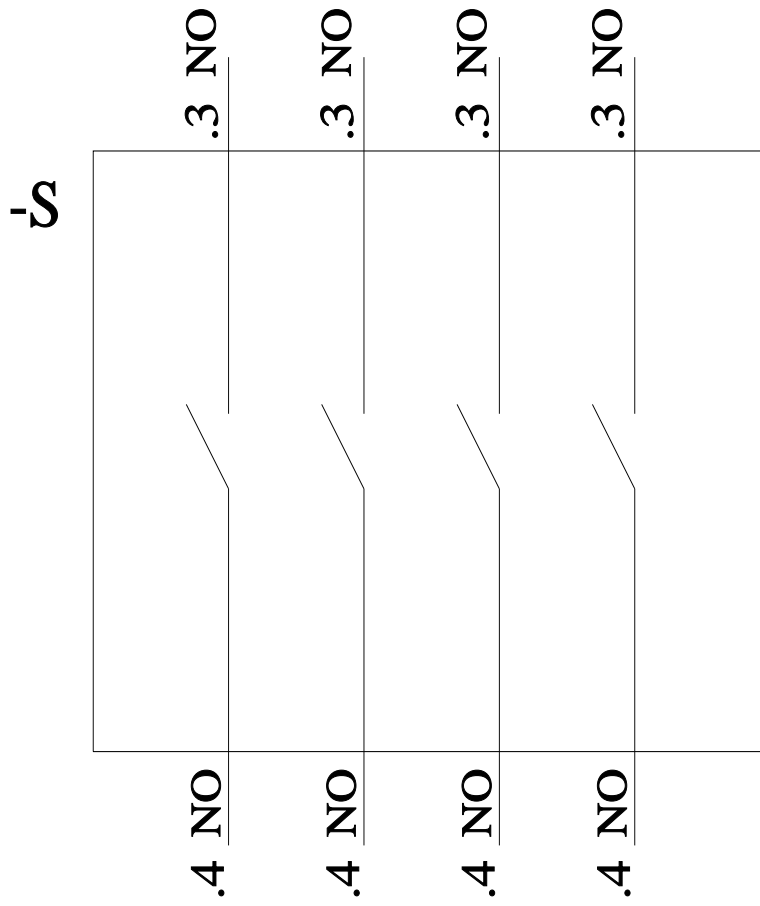
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BF10-1QA0-Z Y15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BF10-1QA0-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=3SU1100-7BF10-1QA0-Z Y15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BF10-1QA0-Z Y15&lang=en)



last modified:

3/4/2024 