

Siemens  
EcoTech



Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, vertical momentary contact type, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal,



|                                                                                                                                                                                                                        |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                                                                                                                                                                                     | SIRIUS ACT                                                                                                                                           |
| product designation                                                                                                                                                                                                    | Coordinate switches                                                                                                                                  |
| design of the product                                                                                                                                                                                                  | Complete unit                                                                                                                                        |
| product type designation                                                                                                                                                                                               | 3SU1                                                                                                                                                 |
| product line                                                                                                                                                                                                           | Metal, shiny, 22 mm                                                                                                                                  |
| manufacturer's article number                                                                                                                                                                                          |                                                                                                                                                      |
| <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="#">3SU1050-7AD88-0AA0</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                                                                                                                                                                                                 | 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                                                                                                                                              |
| 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, high gloss                                                                                                                                    |
| color of the front ring                                                                                                                                                                                                | silver                                                                                                                                               |
| <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                                                                                                                                                 |

|                                                                                           |                                                                                                                                               |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>protection class IP</b>                                                                | IP65, IP67                                                                                                                                    |
| protection class IP 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>Weight</b>                                                                             | 163 g                                                                                                                                         |
| <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>                                       | 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> )                                                                                                             |
| • 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>IEC 61508</b>                                                                          |                                                                                                                                               |
| T1 value for proof test interval or service life according to IEC 61508                   | 20 a                                                                                                                                          |
| <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                                                   | 0.593 kg                                                                                                                                      |
| global warming potential [CO2 eq] during manufacturing                                    | 0.625 kg                                                                                                                                      |
| global warming potential [CO2 eq] during operation                                        | 0.235 kg                                                                                                                                      |

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| global warming potential [CO2 eq] after end of life | -0.267 kg            |
| Siemens Eco Profile (SEP)                           | Siemens EcoTech      |
| <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>                              | 71.3 mm              |
| <b>installation width</b>                           | 30.5 mm              |
| <b>installation depth</b>                           | 53.7 mm              |

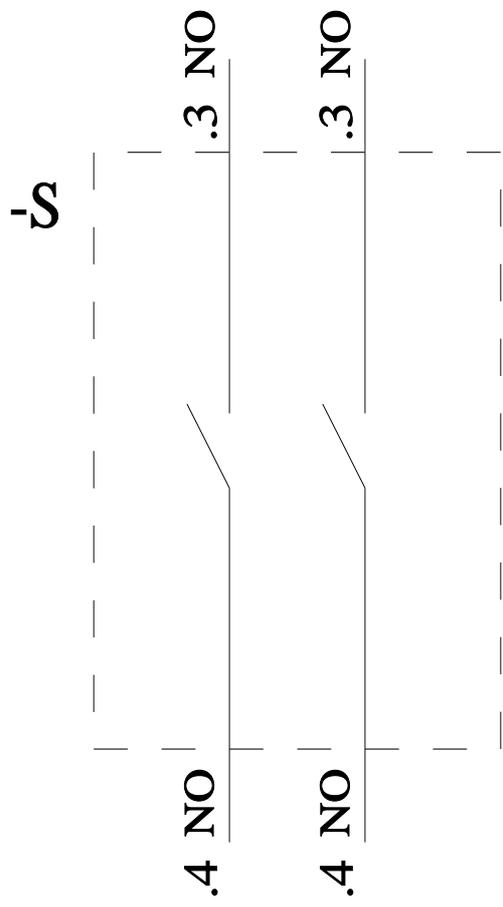
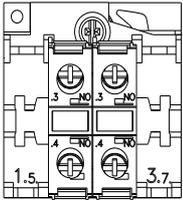
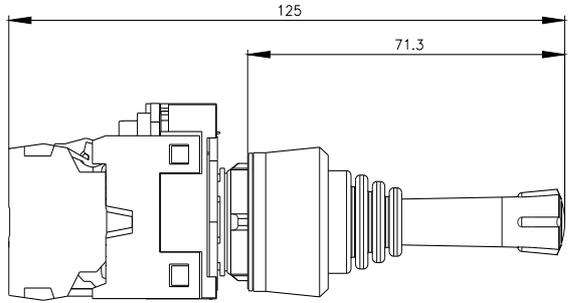
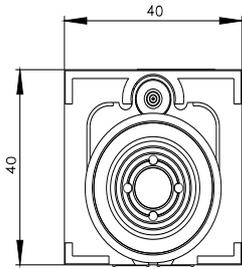
#### Approvals Certificates

| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                    | Test Certificates                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
|      | <a href="#">Type Test Certificates/Test Report</a> |

| Test Certificates                        | Maritime application                                                                                                                                                                                                                                  | other                                                                                                            |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <a href="#">Special Test Certificate</a> |    |  <a href="#">Confirmation</a> |

| Environment                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    <a href="#">Environmental Confirmations</a> |

| Further information                                                                                                                                                                                                                                                                                                     |
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| <b>Information on the packaging</b><br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                                                                                                                                          |
| <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                                             |
| <b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-7AD88-1NA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-7AD88-1NA0</a>                                                                                |
| <b>Cax online generator</b><br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1150-7AD88-1NA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1150-7AD88-1NA0</a>                                                                      |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7AD88-1NA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7AD88-1NA0</a>                                                                                  |
| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-7AD88-1NA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-7AD88-1NA0&amp;lang=en</a> |



last modified:

4/2/2025

