



Pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, screw terminal, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

|                                                 |                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| product brand name                              | SIRIUS ACT                                                                                                                 |
| product designation                             | Pushbuttons                                                                                                                |
| design of the product                           | Complete unit                                                                                                              |
| product type designation                        | 3SU1                                                                                                                       |
| product line                                    | Plastic, black, 22 mm                                                                                                      |
| manufacturer's article number                   |                                                                                                                            |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1FA0</a>                                                                                         |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>                                                                                         |
| • of the supplied actuator                      | <a href="#">3SU1000-0AB20-0AA0</a>                                                                                         |
| number of command points                        | 1                                                                                                                          |
| <b>Actuator</b>                                 |                                                                                                                            |
| design of the actuating element                 | Button, flat                                                                                                               |
| principle of operation of the actuating element | momentary contact type                                                                                                     |
| product extension optional light source         | No                                                                                                                         |
| color of the actuating element                  | red                                                                                                                        |
| material of the actuating element               | plastic                                                                                                                    |
| shape of the actuating element                  | round                                                                                                                      |
| outer diameter of the actuating element         | 29.45 mm                                                                                                                   |
| marking of the actuating element                | Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| number of contact modules                       | 1                                                                                                                          |
| <b>Front ring</b>                               |                                                                                                                            |
| product component front ring                    | Yes                                                                                                                        |
| design of the front ring                        | Standard                                                                                                                   |
| material of the front ring                      | plastic                                                                                                                    |
| color of the front ring                         | black                                                                                                                      |
| <b>Holder</b>                                   |                                                                                                                            |
| material of the holder                          | Plastic                                                                                                                    |
| <b>Display</b>                                  |                                                                                                                            |
| number of LED modules                           | 0                                                                                                                          |
| <b>General technical data</b>                   |                                                                                                                            |
| product function positive opening               | Yes                                                                                                                        |
| product component light source                  | 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                             | IP66, IP67, IP69(IP69K)                                                                                                    |
| • of the terminal                               | IP20, clamping screw tightened                                                                                             |

|                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>degree of protection NEMA rating</b>                                                                                                                                                                                                                                                                                 | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                                          |
| <b>shock resistance</b> <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> <li>• for railway applications according to EN 61373</li> </ul>                                                                                                                                                       | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B                                                                                                             |
| <b>vibration resistance</b> <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>                                                                                                                                                    | 10 ... 500 Hz: 5g<br>Category 1, Class B                                                                                                                            |
| <b>operating frequency maximum</b>                                                                                                                                                                                                                                                                                      | 3 600 1/h                                                                                                                                                           |
| mechanical service life (switching cycles) typical                                                                                                                                                                                                                                                                      | 10 000 000                                                                                                                                                          |
| electrical endurance (switching cycles) typical                                                                                                                                                                                                                                                                         | 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>                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                   |
| <b>number of NO contacts for auxiliary contacts</b>                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                           |                                                                                                                                                                     |
| <b>type of electrical connection</b> <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                     | screw-type terminals<br>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>• at AWG cables</li> </ul> | 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 with screw-type terminals                                                                                                                                                                                                                                                                             | 0.8 ... 0.9 N·m                                                                                                                                                     |
| <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> <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                  | front plate mounting<br>Front plate mounting                                                                                                                        |
| <b>height</b>                                                                                                                                                                                                                                                                                                           | 40 mm                                                                                                                                                               |
| <b>width</b>                                                                                                                                                                                                                                                                                                            | 30 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>                                                                                                                                                                                                                                                                                                  | 11 mm                                                                                                                                                               |
| <b>installation width</b>                                                                                                                                                                                                                                                                                               | 29.5 mm                                                                                                                                                             |
| <b>installation depth</b>                                                                                                                                                                                                                                                                                               | 71.7 mm                                                                                                                                                             |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |
| <b>Further information</b>                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                                                    |                                                                                                                                                                     |

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-0AB20-1FA0-Z Y19>

Cax online generator

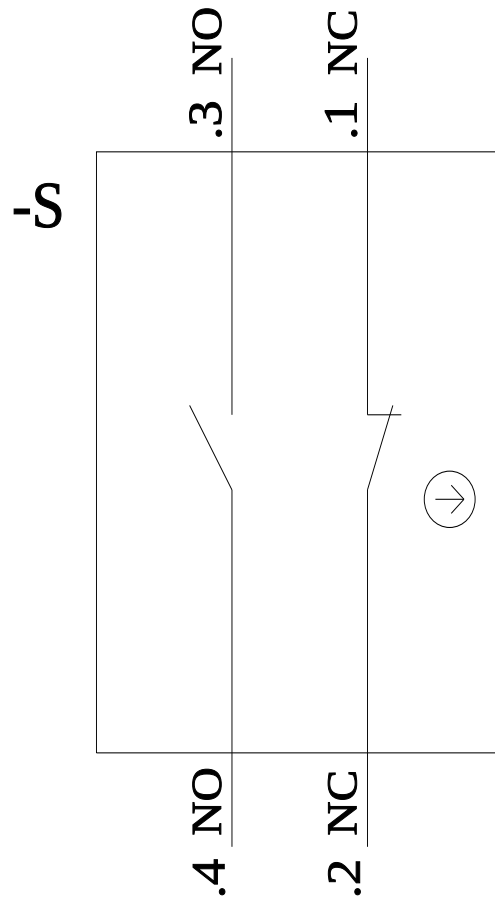
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB20-1FA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB20-1FA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-0AB20-1FA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB20-1FA0-Z Y19&lang=en)



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