

Siemens  
EcoTech



Pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder 1 NO, spring-type terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417



|                                                 |                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------|
| 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="#">3SU1400-1AA10-3BA0</a>                                  |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>                                  |
| • of the supplied actuator                      | <a href="#">3SU1000-0AB50-0AA0</a>                                  |
| number of command points                        | 1                                                                   |
| Actuator                                        |                                                                     |
| 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                  | blue                                                                |
| 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                | Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 |
| number of contact modules                       | 1                                                                   |
| Front ring                                      |                                                                     |
| product component front ring                    | Yes                                                                 |
| design of the front ring                        | Standard                                                            |
| material of the front ring                      | plastic                                                             |
| color of the front ring                         | black                                                               |
| Holder                                          |                                                                     |
| material of the holder                          | Plastic                                                             |
| Display                                         |                                                                     |
| number of LED modules                           | 0                                                                   |
| General technical data                          |                                                                     |
| product function positive opening               | No                                                                  |
| 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)                                             |

|                                                                                                                                                                                                                                                                         |                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| protection class IP of the terminal                                                                                                                                                                                                                                     | IP20                                                                                                                                          |
| degree of protection NEMA rating                                                                                                                                                                                                                                        | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                    |
| shock resistance <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                                                                                       |
| vibration resistance <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                                                                                                      |
| operating frequency maximum                                                                                                                                                                                                                                             | 3 600 1/h                                                                                                                                     |
| mechanical service life (operating cycles) typical                                                                                                                                                                                                                      | 10 000 000                                                                                                                                    |
| electrical endurance (operating cycles) typical                                                                                                                                                                                                                         | 10 000 000                                                                                                                                    |
| thermal current                                                                                                                                                                                                                                                         | 10 A                                                                                                                                          |
| reference code according to IEC 81346-2                                                                                                                                                                                                                                 | S                                                                                                                                             |
| continuous current of the C characteristic MCB                                                                                                                                                                                                                          | 10 A; for a short-circuit current smaller than 400 A                                                                                          |
| continuous current of the quick DIAZED fuse link                                                                                                                                                                                                                        | 10 A                                                                                                                                          |
| continuous current of the DIAZED fuse link gG                                                                                                                                                                                                                           | 10 A                                                                                                                                          |
| Substance Prohibitance (Date)                                                                                                                                                                                                                                           | 10/01/2014                                                                                                                                    |
| Weight                                                                                                                                                                                                                                                                  | 0.044 kg                                                                                                                                      |
| operating voltage <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>                                                                                                                                                                                                                                                |                                                                                                                                               |
| contact reliability                                                                                                                                                                                                                                                     | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)                                                    |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                                |                                                                                                                                               |
| design of the contact of auxiliary contacts                                                                                                                                                                                                                             | Silver alloy                                                                                                                                  |
| number of NC contacts for auxiliary contacts                                                                                                                                                                                                                            | 0                                                                                                                                             |
| number of NO contacts for auxiliary contacts                                                                                                                                                                                                                            | 1                                                                                                                                             |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                           |                                                                                                                                               |
| type of electrical connection <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                            | spring-loaded terminals<br>Spring-type terminal                                                                                               |
| type of connectable conductor cross-sections <ul style="list-style-type: none"> <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 (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 0.75 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16)             |
| tightening torque of the screws in the bracket                                                                                                                                                                                                                          | 1 ... 1.2 N·m                                                                                                                                 |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                               |                                                                                                                                               |
| ambient temperature <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>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>                                                                                                                                                                                                                               |                                                                                                                                               |
| fastening method <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                         | front plate mounting<br>Front plate mounting                                                                                                  |
| height                                                                                                                                                                                                                                                                  | 40 mm                                                                                                                                         |
| width                                                                                                                                                                                                                                                                   | 30 mm                                                                                                                                         |
| shape of the installation opening                                                                                                                                                                                                                                       | round                                                                                                                                         |
| mounting diameter                                                                                                                                                                                                                                                       | 22.3 mm                                                                                                                                       |
| positive tolerance of installation diameter                                                                                                                                                                                                                             | 0.4 mm                                                                                                                                        |
| mounting height                                                                                                                                                                                                                                                         | 11 mm                                                                                                                                         |

|                    |         |
|--------------------|---------|
| installation width | 29.5 mm |
| installation depth | 49.7 mm |

| Approvals Certificates   |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |



[Confirmation](#)



[Type Test Certificates/Test Report](#)

|                   |       |             |
|-------------------|-------|-------------|
| Test Certificates | other | Environment |
|-------------------|-------|-------------|

[Special Test Certificate](#)

[Confirmation](#)



Siemens  
EcoTech



[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=3SU1100-0AB50-3BA0-Z Y13>  
 Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB50-3BA0-Z Y13>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB50-3BA0-Z Y13>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-0AB50-3BA0-Z Y13&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB50-3BA0-Z Y13&lang=en)

