

Siemens  
EcoTech



Pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, screw terminal, with laser labeling, upper case



|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| 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="#">3SU1000-0AB50-0AA0</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                  | 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, text in capital letters |
| 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)                      |

|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| protection class IP of the terminal                                                                                                                                                                                                                                                                               | IP20, clamping screw tightened                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                            | 0.052 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                                                                                                                                                                                                                                                                      | 1                                                                                                                                             |
| 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>                                                                                                                                                                                                      | screw terminal<br>Screw-type terminal                                                                                                         |
| type of connectable conductor cross-sections <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>• for AWG cables</li> </ul> | 2x (0.5 ... 0.75 mm²)<br>2x (1.0 ... 1.5 mm²)<br>2x (0.5 ... 1.5 mm²)<br>2x (1,0 ... 1,5 mm²)<br>2x (18 ... 14)                               |
| tightening torque of the screws in the bracket                                                                                                                                                                                                                                                                    | 1 ... 1.2 N·m                                                                                                                                 |
| tightening torque with screw-type terminals                                                                                                                                                                                                                                                                       | 0.8 ... 0.9 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                          | 71.7 mm |

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

[Confirmation](#)




[Type Test Certificates/Test Report](#)

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

[Special Test Certificate](#)
[Confirmation](#)



[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=3SU1100-0AB50-1FA0-Z Y11>  
 Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB50-1FA0-Z Y11>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB50-1FA0-Z Y11>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-0AB50-1FA0-Z Y11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB50-1FA0-Z Y11&lang=en)



