



Pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder 1 NO, screw terminal

|                                            |                                    |
|--------------------------------------------|------------------------------------|
| 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="#">3SU1400-1AA10-1BA0</a> |
| • of the supplied holder                   | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator                 | <a href="#">3SU1000-0AB70-0AA0</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                  | clear                  |
| material of the actuating element               | plastic                |
| shape of the actuating element                  | round                  |
| outer diameter of the actuating element         | 29.45 mm               |
| 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)          |
| • of the terminal                                | IP20                             |
| degree of protection NEMA rating                 | 1, 2, 3, 3R, 4, 4X, 12, 13       |
| shock resistance                                 |                                  |
| • according to IEC 60068-2-27                    | sinusoidal half-wave 15g / 11 ms |
| • for railway applications according to EN 61373 | 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                                                                                                                                                           |
| <b>mechanical service life (operating cycles) typical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 000 000                                                                                                                                                          |
| <b>electrical endurance (operating cycles) typical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10 000 000                                                                                                                                                          |
| <b>thermal current</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10 A                                                                                                                                                                |
| <b>reference code according to IEC 81346-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | S                                                                                                                                                                   |
| <b>continuous current of the C characteristic MCB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10 A; for a short-circuit current smaller than 400 A                                                                                                                |
| <b>continuous current of the quick DIAZED fuse link</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10 A                                                                                                                                                                |
| <b>continuous current of the DIAZED fuse link gG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10 A                                                                                                                                                                |
| <b>Substance Prohibitance (Date)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10/01/2014                                                                                                                                                          |
| <b>operating voltage</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• at AC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5 ... 500 V                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5 ... 500 V                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                     |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | screw-type terminals                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 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                                                                                                                                                       |
| <b>tightening torque with screw-type terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | front plate mounting                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.7 mm                                                                                                                                                             |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| <div> <div>General Product Approval</div> <div>       </div> </div> |                                                                                                                                                                     |
| Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |

| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|
|---------------------------|-------------------|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|
|-------------------|-------|-------------|



[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=3SU1100-0AB70-1BA0>

Cax online generator

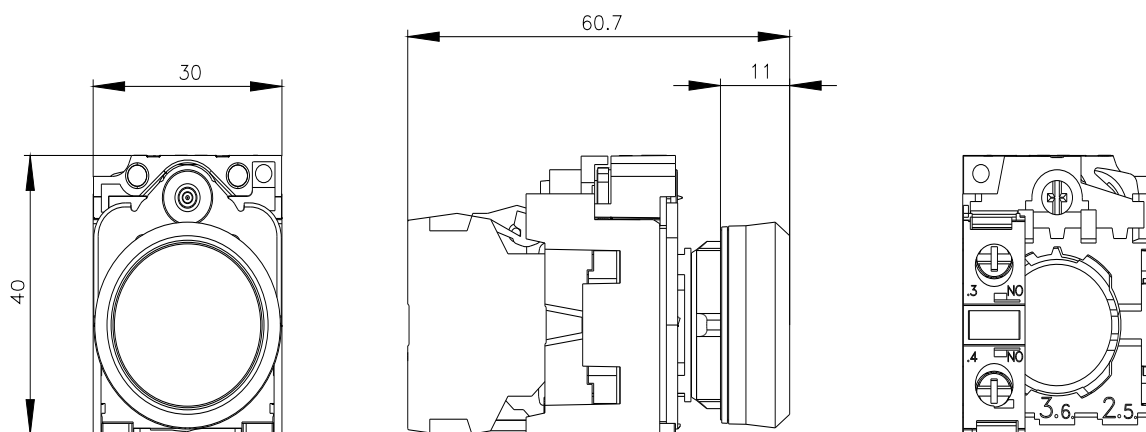
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB70-1BA0>

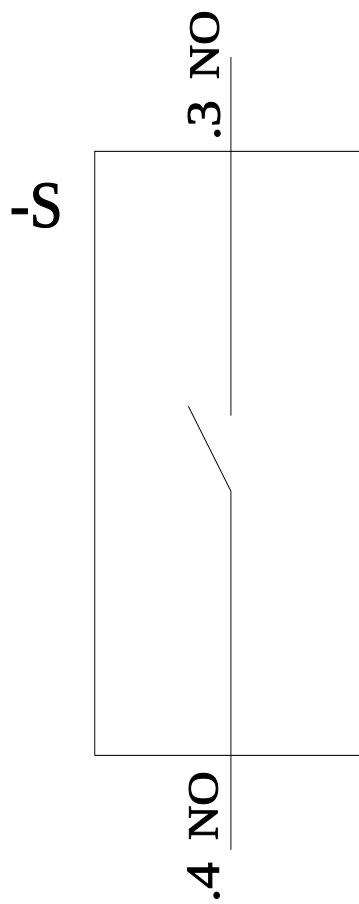
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB70-1BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-0AB70-1BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB70-1BA0&lang=en)





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