

Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, screw terminal



|                                                                                                                                                                                          |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product brand name                                                                                                                                                                       | SIRIUS ACT                                                                                                                                           |
| Product designation                                                                                                                                                                      | Illuminated pushbuttons                                                                                                                              |
| Design of the product                                                                                                                                                                    | Complete unit                                                                                                                                        |
| Product type designation                                                                                                                                                                 | 3SU1                                                                                                                                                 |
| Product line                                                                                                                                                                             | Plastic, black, 22 mm                                                                                                                                |
| Manufacturer's article number                                                                                                                                                            |                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• 1 of supplied contact module</li> <li>• of supplied LED module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1401-1BB60-1AA0</a><br><a href="#">3SU1500-0AA10-0AA0</a><br><a href="#">3SU1001-0AB70-0AA0</a> |
| Number of command points                                                                                                                                                                 | 1                                                                                                                                                    |

| Actuator                                                                     |                        |
|------------------------------------------------------------------------------|------------------------|
| Design of the operating mechanism                                            | Button, flat           |
| Manner of function of the actuating element                                  | momentary contact type |
| Product extension optional Light source                                      | Yes                    |
| Color                                                                        |                        |
| <ul style="list-style-type: none"> <li>• of the actuating element</li> </ul> | 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                                                    |
| <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                                   | 1                                                    |
| <b>General technical data</b>                           |                                                      |
| <b>Product function</b>                                 |                                                      |
| • positive opening                                      | No                                                   |
| <b>Product component</b>                                |                                                      |
| • Light source                                          | Yes                                                  |
| <b>Insulation voltage</b>                               |                                                      |
| • rated value                                           | 320 V                                                |
| <b>Degree of pollution</b>                              | 3                                                    |
| <b>Type of voltage</b>                                  |                                                      |
| • of the operating voltage                              | AC/DC                                                |
| <b>Surge voltage resistance rated value</b>             | 4 kV                                                 |
| <b>Protection class IP</b>                              | IP66, IP67, IP69(IP69K)                              |
| • of the terminal                                       | IP20                                                 |
| <b>Degree of protection NEMA rating</b>                 | 1, 2, 3, 3R, 4, 4X, 12, 13                           |
| <b>Shock resistance</b>                                 |                                                      |
| • acc. to IEC 60068-2-27                                | Sinusoidal half-wave 50 g / 11 ms                    |
| • for railway applications acc. to DIN EN 61373         | Category 1, Class B                                  |
| <b>Vibration resistance</b>                             |                                                      |
| • acc. to IEC 60068-2-6                                 | 10 ... 500 Hz: 5g                                    |
| • for railway applications acc. to DIN EN 61373         | Category 1, Class B                                  |
| <b>Operating frequency maximum</b>                      | 3 600 1/h                                            |
| <b>Mechanical service life (switching cycles)</b>       |                                                      |
| • typical                                               | 3 000 000                                            |
| <b>Electrical endurance (switching cycles)</b>          |                                                      |
| • typical                                               | 10 000 000                                           |
| <b>Thermal current</b>                                  | 10 A                                                 |
| <b>Reference code acc. to DIN EN 81346-2</b>            | S                                                    |
| <b>Reference code acc. to DIN EN 61346-2</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>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 <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul> | 5 ... 500 V<br>5 ... 500 V<br>5 ... 500 V |

### Power Electronics

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| <b>Contact reliability</b> | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
|----------------------------|--------------------------------------------------------------------------------------------|

### Supply voltage

|                                                                                                          |              |
|----------------------------------------------------------------------------------------------------------|--------------|
| <b>Type of voltage of the supply voltage</b>                                                             |              |
| <ul style="list-style-type: none"> <li>• of the light source</li> </ul>                                  | AC/DC        |
| <b>Supply voltage of the light source at AC</b>                                                          |              |
| <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul> | 24 V<br>24 V |
| <b>Supply voltage of the light source at DC</b>                                                          |              |
| <ul style="list-style-type: none"> <li>• rated value</li> </ul>                                          | 24 V         |

### Control circuit/ Control

|                                             |     |
|---------------------------------------------|-----|
| <b>Inrush current of LED module maximum</b> | 2 A |
|---------------------------------------------|-----|

### Auxiliary circuit

|                                                     |              |
|-----------------------------------------------------|--------------|
| <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            |

### Connections/ Terminals

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of electrical connection</b>                                                                                                                                                                                                                                    |                                                                                                                                                                     |
| <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 conductors</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</b>                                                                                                                                                                                                                                                |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>                                                                                                                                                                                           | 0.8 ... 0.9 N·m                                                                                                                                                     |

### Lamp

|                                  |                   |
|----------------------------------|-------------------|
| <b>Type of light source</b>      | LED               |
| <b>Color of the light source</b> | white             |
| <b>Light intensity</b>           | 900 ... 1 400 mcd |

## Ambient conditions

|                                                                                            |                                                                                                                                           |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient temperature</b>                                                                 |                                                                                                                                           |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | <p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>                                                                                               |
| Environmental category during operation acc. to IEC 60721                                  | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted for all devices behind front panel) |

## Installation/ mounting/ dimensions

|                                                                              |                      |
|------------------------------------------------------------------------------|----------------------|
| <b>Mounting type</b>                                                         | front panel 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              |

## Certificates/ approvals

### General Product Approval



[Miscellaneous](#)

### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



### Marine / Shipping

### Marine / Shipping

### other



[Confirmation](#)

## Further information

**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=3SU1102-0AB70-1BA0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1102-0AB70-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB70-1BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1102-0AB70-1BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1102-0AB70-1BA0&lang=en)





last modified:

03/10/2020