



Illuminated pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, screw terminal, Z=20-unit packaging

|                                                                                                                                                                                                      |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>product brand name</b>                                                                                                                                                                            | SIRIUS ACT                                                                                                                                           |
| <b>product designation</b>                                                                                                                                                                           | Illuminated pushbuttons                                                                                                                              |
| <b>design of the product</b>                                                                                                                                                                         | Complete unit                                                                                                                                        |
| <b>product type designation</b>                                                                                                                                                                      | 3SU1                                                                                                                                                 |
| <b>product line</b>                                                                                                                                                                                  | Plastic, black, 22 mm                                                                                                                                |
| <b>manufacturer's article number</b>                                                                                                                                                                 |                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of supplied LED module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-1FA0</a><br><a href="#">3SU1401-1BC50-1AA0</a><br><a href="#">3SU1550-0AA10-0AA0</a><br><a href="#">3SU1001-0AB50-0AA0</a> |
| <b>number of command points</b>                                                                                                                                                                      | 1                                                                                                                                                    |
| <b>Actuator</b>                                                                                                                                                                                      |                                                                                                                                                      |
| <b>design of the actuating element</b>                                                                                                                                                               | Button, flat                                                                                                                                         |
| <b>principle of operation of the actuating element</b>                                                                                                                                               | momentary contact type                                                                                                                               |
| <b>product extension optional light source</b>                                                                                                                                                       | Yes                                                                                                                                                  |
| <b>color of the actuating element</b>                                                                                                                                                                | blue                                                                                                                                                 |
| <b>material of the actuating element</b>                                                                                                                                                             | plastic                                                                                                                                              |
| <b>shape of the actuating element</b>                                                                                                                                                                | round                                                                                                                                                |
| <b>outer diameter of the actuating element</b>                                                                                                                                                       | 29.45 mm                                                                                                                                             |
| <b>number of contact modules</b>                                                                                                                                                                     | 1                                                                                                                                                    |
| <b>Front ring</b>                                                                                                                                                                                    |                                                                                                                                                      |
| <b>product component front ring</b>                                                                                                                                                                  | Yes                                                                                                                                                  |
| <b>design of the front ring</b>                                                                                                                                                                      | Standard                                                                                                                                             |
| <b>material of the front ring</b>                                                                                                                                                                    | plastic                                                                                                                                              |
| <b>color of the front ring</b>                                                                                                                                                                       | black                                                                                                                                                |
| <b>Holder</b>                                                                                                                                                                                        |                                                                                                                                                      |
| <b>material of the holder</b>                                                                                                                                                                        | Plastic                                                                                                                                              |
| <b>Display</b>                                                                                                                                                                                       |                                                                                                                                                      |
| <b>number of LED modules</b>                                                                                                                                                                         | 1                                                                                                                                                    |
| <b>General technical data</b>                                                                                                                                                                        |                                                                                                                                                      |
| <b>product function positive opening</b>                                                                                                                                                             | Yes                                                                                                                                                  |
| <b>product component light source</b>                                                                                                                                                                | Yes                                                                                                                                                  |
| <b>insulation voltage rated value</b>                                                                                                                                                                | 320 V                                                                                                                                                |
| <b>degree of pollution</b>                                                                                                                                                                           | 3                                                                                                                                                    |
| <b>type of voltage of the operating voltage</b>                                                                                                                                                      | AC/DC                                                                                                                                                |
| <b>surge voltage resistance rated value</b>                                                                                                                                                          | 4 kV                                                                                                                                                 |
| <b>protection class IP</b>                                                                                                                                                                           | IP66, IP67, IP69(IP69K)                                                                                                                              |
| <ul style="list-style-type: none"> <li>• of the terminal</li> </ul>                                                                                                                                  | IP20, clamping screw tightened                                                                                                                       |
| <b>degree of protection NEMA rating</b>                                                                                                                                                              | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                           |

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
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| <b>shock resistance</b>                                                                                                                                                                                                                                             |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> <li>• for railway applications according to EN 61373</li> </ul>                                                                                                                           | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B                                                                                                             |
| <b>vibration resistance</b>                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>                                                                                                                            | 10 ... 500 Hz: 5g<br>Category 1, Class B                                                                                                                            |
| <b>operating frequency maximum</b>                                                                                                                                                                                                                                  | 3 600 1/h                                                                                                                                                           |
| mechanical service life (switching cycles) typical                                                                                                                                                                                                                  | 3 000 000                                                                                                                                                           |
| electrical endurance (switching cycles) typical                                                                                                                                                                                                                     | 10 000 000                                                                                                                                                          |
| <b>thermal current</b>                                                                                                                                                                                                                                              | 10 A                                                                                                                                                                |
| <b>reference code according to IEC 81346-2</b>                                                                                                                                                                                                                      | S                                                                                                                                                                   |
| <b>continuous current of the C characteristic MCB</b>                                                                                                                                                                                                               | 10 A; for a short-circuit current smaller than 400 A                                                                                                                |
| <b>continuous current of the quick DIAZED fuse link</b>                                                                                                                                                                                                             | 10 A                                                                                                                                                                |
| <b>continuous current of the DIAZED fuse link gG</b>                                                                                                                                                                                                                | 10 A                                                                                                                                                                |
| <b>Substance Prohibitance (Date)</b>                                                                                                                                                                                                                                | 10/01/2014                                                                                                                                                          |
| <b>operating voltage</b>                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC rated value</li> </ul>                                                                    | 5 ... 500 V<br>5 ... 500 V<br>5 ... 500 V                                                                                                                           |
| <b>Power Electronics</b>                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| <b>contact reliability</b>                                                                                                                                                                                                                                          | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)                                                                          |
| <b>Supply voltage</b>                                                                                                                                                                                                                                               |                                                                                                                                                                     |
| type of voltage of the supply voltage of the light source                                                                                                                                                                                                           | AC                                                                                                                                                                  |
| <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>                                                                                                                                                            | 110 V<br>110 V                                                                                                                                                      |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <b>inrush current of LED module maximum</b>                                                                                                                                                                                                                         | 3 A                                                                                                                                                                 |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| <b>design of the contact of auxiliary contacts</b>                                                                                                                                                                                                                  | Silver alloy                                                                                                                                                        |
| <b>number of NC contacts for auxiliary contacts</b>                                                                                                                                                                                                                 | 1                                                                                                                                                                   |
| <b>number of NO contacts for auxiliary contacts</b>                                                                                                                                                                                                                 | 1                                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                       |                                                                                                                                                                     |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                | screw-type terminals<br>Screw-type terminal                                                                                                                         |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                      |                                                                                                                                                                     |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                 |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG cables</li> </ul> | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (18 ... 14) |
| <b>tightening torque of the screws in the bracket</b>                                                                                                                                                                                                               | 1 ... 1.2 N·m                                                                                                                                                       |
| tightening torque with screw-type terminals                                                                                                                                                                                                                         | 0.8 ... 0.9 N·m                                                                                                                                                     |
| <b>Lamp</b>                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <b>type of light source</b>                                                                                                                                                                                                                                         | LED                                                                                                                                                                 |
| <b>color of the light source</b>                                                                                                                                                                                                                                    | blue                                                                                                                                                                |
| <b>light intensity</b>                                                                                                                                                                                                                                              | 280 ... 710 mcd                                                                                                                                                     |
| <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, 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<br>Front plate mounting                                                                                                                        |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                      |                                                                                                                                                                     |
| <b>height</b>                                                                                                                                                                                                                                                       | 40 mm                                                                                                                                                               |

|                                                    |         |
|----------------------------------------------------|---------|
| <b>width</b>                                       | 30 mm   |
| <b>shape of the installation opening</b>           | round   |
| <b>mounting diameter</b>                           | 22.3 mm |
| <b>positive tolerance of installation diameter</b> | 0.4 mm  |
| <b>mounting height</b>                             | 11 mm   |
| <b>installation width</b>                          | 29.5 mm |
| <b>installation depth</b>                          | 71.7 mm |

#### Certificates/ approvals

#### 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=3SU1103-0AB50-1FA0-Z X90>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB50-1FA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB50-1FA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1103-0AB50-1FA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-0AB50-1FA0-Z X90&lang=en)

last modified:

1/26/2022 