



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, Spring-type terminal

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| product brand name                              | SIRIUS ACT                                 |
| product designation                             | Illuminated pushbuttons                    |
| design of the product                           | Complete unit                              |
| product type designation                        | 3SU1                                       |
| product line                                    | Plastic with metal front ring, matt, 22 mm |
| manufacturer's article number                   |                                            |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-3FA0</a>         |
| • of supplied LED module                        | <a href="#">3SU1401-1BB50-3AA0</a>         |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>         |
| • of the supplied actuator                      | <a href="#">3SU1031-0AB50-0AA0</a>         |
| number of command points                        | 1                                          |
| <b>Actuator</b>                                 |                                            |
| design of the actuating element                 | Button, flat                               |
| principle of operation of the actuating element | momentary contact type                     |
| product extension optional light source         | Yes                                        |
| color of the actuating element                  | blue                                       |
| material of the actuating element               | plastic                                    |
| shape of the actuating element                  | round                                      |
| outer diameter of the actuating element         | 29.45 mm                                   |
| 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                      | Metal, matt                                |
| color of the front ring                         | sand gray                                  |
| <b>Holder</b>                                   |                                            |
| material of the holder                          | Plastic                                    |
| <b>Display</b>                                  |                                            |
| number of LED modules                           | 1                                          |
| <b>General technical data</b>                   |                                            |
| product function positive opening               | Yes                                        |
| product component light source                  | Yes                                        |
| insulation voltage rated value                  | 320 V                                      |
| degree of pollution                             | 3                                          |
| type of voltage of the operating voltage        | AC/DC                                      |
| surge voltage resistance rated value            | 4 kV                                       |
| protection class IP                             | IP66, IP67, IP69(IP69K)                    |
| protection class IP of the terminal             | IP20                                       |
| degree of protection NEMA rating                | 1, 2, 3, 3R, 4, 4X, 12, 13                 |

|                                                                |                                                                                                                                          |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>shock resistance</b>                                        |                                                                                                                                          |
| • 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>                                    |                                                                                                                                          |
| • according to IEC 60068-2-6                                   | 10 ... 500 Hz: 5g                                                                                                                        |
| • for railway applications according to EN 61373               | Category 1, Class B                                                                                                                      |
| <b>operating frequency maximum</b>                             | 3 600 1/h                                                                                                                                |
| <b>mechanical service life (operating cycles) typical</b>      | 3 000 000                                                                                                                                |
| electrical endurance (operating 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>SVHC substance name</b>                                     | Lead monoxide (lead oxide) - 1317-36-8                                                                                                   |
| <b>Net Weight</b>                                              | 68 g                                                                                                                                     |
| <b>operating voltage</b>                                       |                                                                                                                                          |
| • at AC                                                        |                                                                                                                                          |
| — at 50 Hz rated value                                         | 5 ... 500 V                                                                                                                              |
| — at 60 Hz rated value                                         | 5 ... 500 V                                                                                                                              |
| • at DC rated value                                            | 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/DC                                                                                                                                    |
| <b>supply voltage of the light source at AC</b>                |                                                                                                                                          |
| • at 50 Hz rated value                                         | 24 V                                                                                                                                     |
| • at 60 Hz rated value                                         | 24 V                                                                                                                                     |
| supply voltage 1 of the light source at DC rated value         | 24 V                                                                                                                                     |
| <b>Control circuit/ Control</b>                                |                                                                                                                                          |
| <b>inrush current of LED module maximum</b>                    | 2 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>                           | spring-loaded terminals                                                                                                                  |
| • of modules and accessories                                   | Spring-type terminal                                                                                                                     |
| <b>type of connectable conductor cross-sections</b>            |                                                                                                                                          |
| • solid without core end processing                            | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                                       |
| • finely stranded with core end processing                     | 2x (0.25 ... 0.75 mm <sup>2</sup> )                                                                                                      |
| • finely stranded without core end processing                  | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                                       |
| • for AWG cables                                               | 2x (24 ... 16)                                                                                                                           |
| <b>tightening torque of the screws in the bracket</b>          | 1 ... 1.2 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>                                     |                                                                                                                                          |
| • during operation                                             | -25 ... +70 °C                                                                                                                           |
| • during storage                                               | -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                                                                                                                     |
| • of modules and accessories                                   | Front plate mounting                                                                                                                     |

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 40 mm   |
| width                                       | 30 mm   |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 11 mm   |
| installation width                          | 29.5 mm |
| installation depth                          | 71.7 mm |

#### Approvals Certificates

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



[Type Test Certificates/Test Report](#)

|                   |                      |       |
|-------------------|----------------------|-------|
| Test Certificates | Maritime application | other |
|-------------------|----------------------|-------|

[Special Test Certificate](#)



[Confirmation](#)

|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|



[Environmental Confirmations](#)

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### 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=3SU1132-0AB50-3FA0>

##### Cax online generator

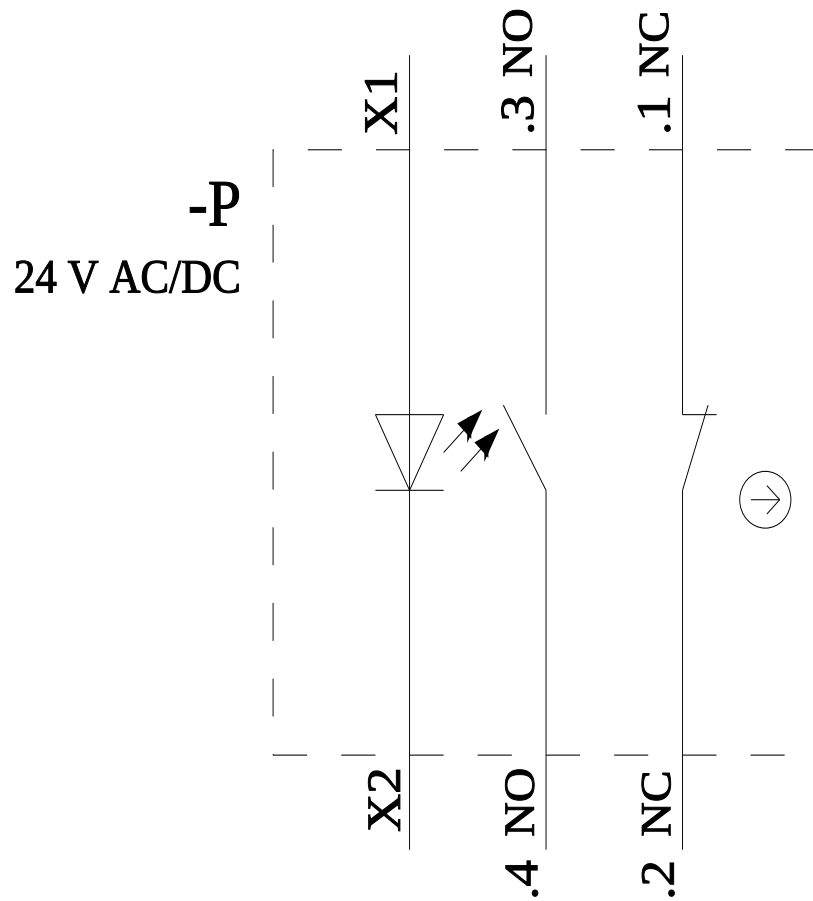
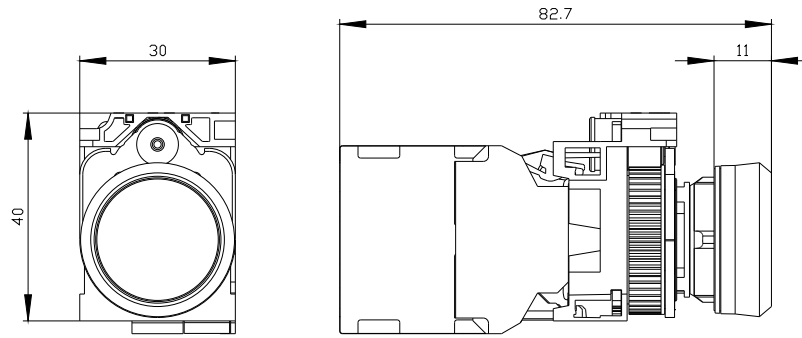
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB50-3FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB50-3FA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1132-0AB50-3FA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1132-0AB50-3FA0&lang=en)



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