



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 230 V AC, spring-type terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

|                                                 |                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------|
| 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                   |                                                                                                |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-3FA0</a>                                                             |
| • of supplied LED module                        | <a href="#">3SU1401-1BF60-3AA0</a>                                                             |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>                                                             |
| • of the supplied actuator                      | <a href="#">3SU1001-0AB70-0AA0</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                  | clear                                                                                          |
| material of the actuating element               | plastic                                                                                        |
| shape of the actuating element                  | round                                                                                          |
| outer diameter of the actuating element         | 29.45 mm                                                                                       |
| marking of the actuating element                | Customized labeling, text in lower case / capital letters, all lines start with capital letter |
| 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>                   |                                                                                                |
| 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)                                                                        |

|                                                                |                                                                                                                                          |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| • of the terminal                                              | IP20                                                                                                                                     |
| <b>degree of protection NEMA rating</b>                        | 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                                                                                                                                |
| 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>                                       |                                                                                                                                          |
| • 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                                                                                                                                       |
| <b>supply voltage of the light source at AC</b>                |                                                                                                                                          |
| • at 50 Hz rated value                                         | 230 V                                                                                                                                    |
| • at 60 Hz rated value                                         | 230 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>                           | 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> )                                                                                                       |
| • at 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>                               | white                                                                                                                                    |
| <b>light intensity</b>                                         | 900 ... 1 400 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                                                                                                                     |
| <b>height</b>                                                  | 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 |

#### 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=3SU1106-0AB70-3FA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1106-0AB70-3FA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1106-0AB70-3FA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1106-0AB70-3FA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1106-0AB70-3FA0-Z Y10&lang=en)

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