



Illuminated pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 110 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                                    | Metal, shiny, 22 mm                                                                          |
| manufacturer's article number                   |                                                                                              |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-3BA0</a>                                                           |
| • of supplied LED module                        | <a href="#">3SU1401-1BC40-3AA0</a>                                                           |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>                                                           |
| • of the supplied actuator                      | <a href="#">3SU1051-0AB40-0AA0</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                  | green                                                                                        |
| 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                      | Metal, high gloss                                                                            |
| color of the front ring                         | silver                                                                                       |
| <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               | No                                                                                           |
| 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                                                                 |
| shock resistance                                             |                                                                                            |
| • according to IEC 60068-2-27                                | sinusoidal half-wave 15g / 11 ms                                                           |
| vibration resistance                                         |                                                                                            |
| • according to IEC 60068-2-6                                 | 10 ... 500 Hz: 5g                                                                          |
| operating frequency maximum                                  | 3 600 1/h                                                                                  |
| mechanical service life (operating cycles) typical           | 3 000 000                                                                                  |
| electrical endurance (operating cycles) typical              | 10 000 000                                                                                 |
| thermal current                                              | 10 A                                                                                       |
| reference code according to IEC 81346-2                      | S                                                                                          |
| continuous current of the C characteristic MCB               | 10 A; for a short-circuit current smaller than 400 A                                       |
| continuous current of the quick DIAZED fuse link             | 10 A                                                                                       |
| continuous current of the DIAZED fuse link gG                | 10 A                                                                                       |
| Substance Prohibitance (Date)                                | 10/01/2014                                                                                 |
| Net Weight                                                   | 0.092 kg                                                                                   |
| operating voltage                                            |                                                                                            |
| • 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>                                     |                                                                                            |
| contact reliability                                          | 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                                                                                         |
| supply voltage of the light source at AC                     |                                                                                            |
| • at 50 Hz rated value                                       | 110 V                                                                                      |
| • at 60 Hz rated value                                       | 110 V                                                                                      |
| <b>Control circuit/ Control</b>                              |                                                                                            |
| inrush current of LED module maximum                         | 3 A                                                                                        |
| <b>Auxiliary circuit</b>                                     |                                                                                            |
| design of the contact of auxiliary contacts                  | Silver alloy                                                                               |
| number of NC contacts for auxiliary contacts                 | 0                                                                                          |
| number of NO contacts for auxiliary contacts                 | 1                                                                                          |
| <b>Connections/ Terminals</b>                                |                                                                                            |
| type of electrical connection                                | spring-loaded terminals                                                                    |
| • of modules and accessories                                 | Spring-type terminal                                                                       |
| type of connectable conductor cross-sections                 |                                                                                            |
| • 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)                                                                             |
| tightening torque of the screws in the bracket               | 1 ... 1.2 N·m                                                                              |
| <b>Lamp</b>                                                  |                                                                                            |
| type of light source                                         | LED                                                                                        |
| color of the light source                                    | green                                                                                      |
| light intensity                                              | 900 ... 1 800 mcd                                                                          |
| <b>Safety related data</b>                                   |                                                                                            |
| product function suitable for safety function                | Yes                                                                                        |
| test wear-related service life necessary                     | Yes                                                                                        |
| proportion of dangerous failures                             |                                                                                            |
| • with high demand rate per NO contact according to SN 31920 | 50 %                                                                                       |
| B10 value with high demand rate according to SN 31920        | 3 000 000                                                                                  |
| <b>ISO 13849</b>                                             |                                                                                            |
| device type according to ISO 13849-1                         | 3                                                                                          |
| <b>IEC 61508</b>                                             |                                                                                            |
| safety device type according to IEC 61508-2                  | Type A                                                                                     |

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
|-------------------------------------------------------------------------|------|

#### Ambient conditions

|                                                                |                                                                                                                                          |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <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) |

#### Installation/ mounting/ dimensions

|                                                    |                      |
|----------------------------------------------------|----------------------|
| <b>fastening method</b>                            | front plate mounting |
| • of modules and accessories                       | 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              |

#### Approvals Certificates

|                                                            |           |
|------------------------------------------------------------|-----------|
| Environmental Product Declaration                          |           |
| • global warming potential [CO2 eq] / during manufacturing | 0.625 kg  |
| • global warming potential [CO2 eq] / during operation     | 0.235 kg  |
| • global warming potential [CO2 eq] / after end of life    | -0.267 kg |
| • global warming potential [CO2 eq] / total                | 0.593 kg  |

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|



[Environmental Conformations](#)



|                          |                   |                      |
|--------------------------|-------------------|----------------------|
| General Product Approval | Test Certificates | Maritime application |
|--------------------------|-------------------|----------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|                      |       |
|----------------------|-------|
| Maritime application | other |
|----------------------|-------|



[Confirmation](#)



#### 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=3SU1153-0AB40-3BA0-Z Y10>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB40-3BA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB40-3BA0-Z Y10>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1153-0AB40-3BA0-Z Y10&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1153-0AB40-3BA0-Z Y10&lang=en)



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