



Illuminated pushbutton, 22 mm, round, metal, shiny, yellow, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 110 V AC, screw terminal

|                                                        |                         |
|--------------------------------------------------------|-------------------------|
| <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>                                    | Metal, shiny, 22 mm     |
| <b>manufacturer's article number</b>                   |                         |
| • of supplied contact module at position 1             | 3SU1400-1AA10-1BA0      |
| • of supplied LED module                               | 3SU1401-1BC30-1AA0      |
| • of the supplied holder                               | 3SU1550-0AA10-0AA0      |
| • of the supplied actuator                             | 3SU1051-0AB30-0AA0      |
| <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>                  | yellow                  |
| <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>                      | Metal, high gloss       |
| <b>color of the front ring</b>                         | silver                  |
| <b>Holder</b>                                          |                         |
| <b>material of the holder</b>                          | Metal                   |
| <b>Display</b>                                         |                         |
| <b>number of LED modules</b>                           | 1                       |
| <b>General technical data</b>                          |                         |
| <b>product function positive opening</b>               | No                      |
| <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) |

|                                                                   |                                                                                                                                           |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| • of the terminal                                                 | IP20                                                                                                                                      |
| <b>degree of protection NEMA rating</b>                           | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                |
| <b>shock resistance</b>                                           |                                                                                                                                           |
| • acc. to IEC 60068-2-27                                          | Sinusoidal half-wave 50g / 11 ms                                                                                                          |
| <b>vibration resistance</b>                                       |                                                                                                                                           |
| • acc. to IEC 60068-2-6                                           | 10 ... 500 Hz: 5g                                                                                                                         |
| <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 acc. 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                                                                                                                                      |
| • operating voltage at AC                                         |                                                                                                                                           |
| — at 50 Hz rated value                                            | 5 ... 500 V                                                                                                                               |
| — at 60 Hz rated value                                            | 5 ... 500 V                                                                                                                               |
| • operating voltage 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                                                                                                                                        |
| • supply voltage 1 of the light source at AC at 50 Hz rated value | 110 V                                                                                                                                     |
| • supply voltage 1 of the light source at AC at 60 Hz rated value | 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>               | 0                                                                                                                                         |
| <b>number of NO contacts for auxiliary contacts</b>               | 1                                                                                                                                         |
| <b>Connections/ Terminals</b>                                     |                                                                                                                                           |
| type of electrical connection of modules and accessories          | Screw-type terminal                                                                                                                       |
| <b>type of connectable conductor cross-sections</b>               |                                                                                                                                           |
| • solid with core end processing                                  | 2x (0.5 ... 0.75 mm <sup>2</sup> )                                                                                                        |
| • solid without core end processing                               | 2x (1.0 ... 1.5 mm <sup>2</sup> )                                                                                                         |
| • finely stranded with core end processing                        | 2x (0.5 ... 1.5 mm <sup>2</sup> )                                                                                                         |
| • finely stranded without core end processing                     | 2x (1.0 ... 1.5 mm <sup>2</sup> )                                                                                                         |
| • at AWG cables                                                   | 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>                                  | yellow                                                                                                                                    |
| <b>light intensity</b>                                            | 900 ... 1 400 mcd                                                                                                                         |
| <b>Ambient conditions</b>                                         |                                                                                                                                           |
| • ambient temperature during operation                            | -25 ... +70 °C                                                                                                                            |
| • ambient temperature during storage                              | -40 ... +80 °C                                                                                                                            |
| environmental category during operation acc. to IEC 60721         | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted for all devices behind front panel) |
| <b>Installation/ mounting/ dimensions</b>                         |                                                                                                                                           |
| <b>fastening method</b>                                           | front panel mounting                                                                                                                      |
| • of modules and accessories                                      | Front plate mounting                                                                                                                      |
| <b>height</b>                                                     | 40 mm                                                                                                                                     |
| <b>width</b>                                                      | 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                          | 49.7 mm |

#### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Miscellaneous](#)

|                   |                   |
|-------------------|-------------------|
| Test Certificates | Marine / Shipping |
|-------------------|-------------------|

[Type Test  
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|                   |       |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|



[Confirmation](#)

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1153-0AB30-1BA0>

Cax online generator

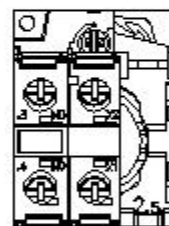
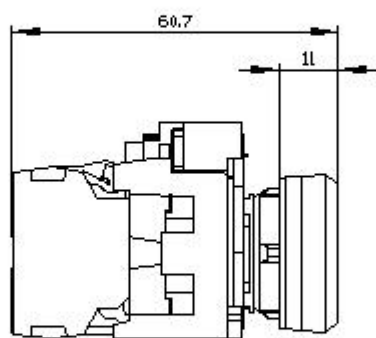
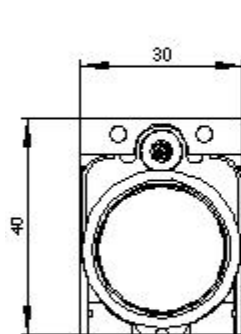
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB30-1BA0>

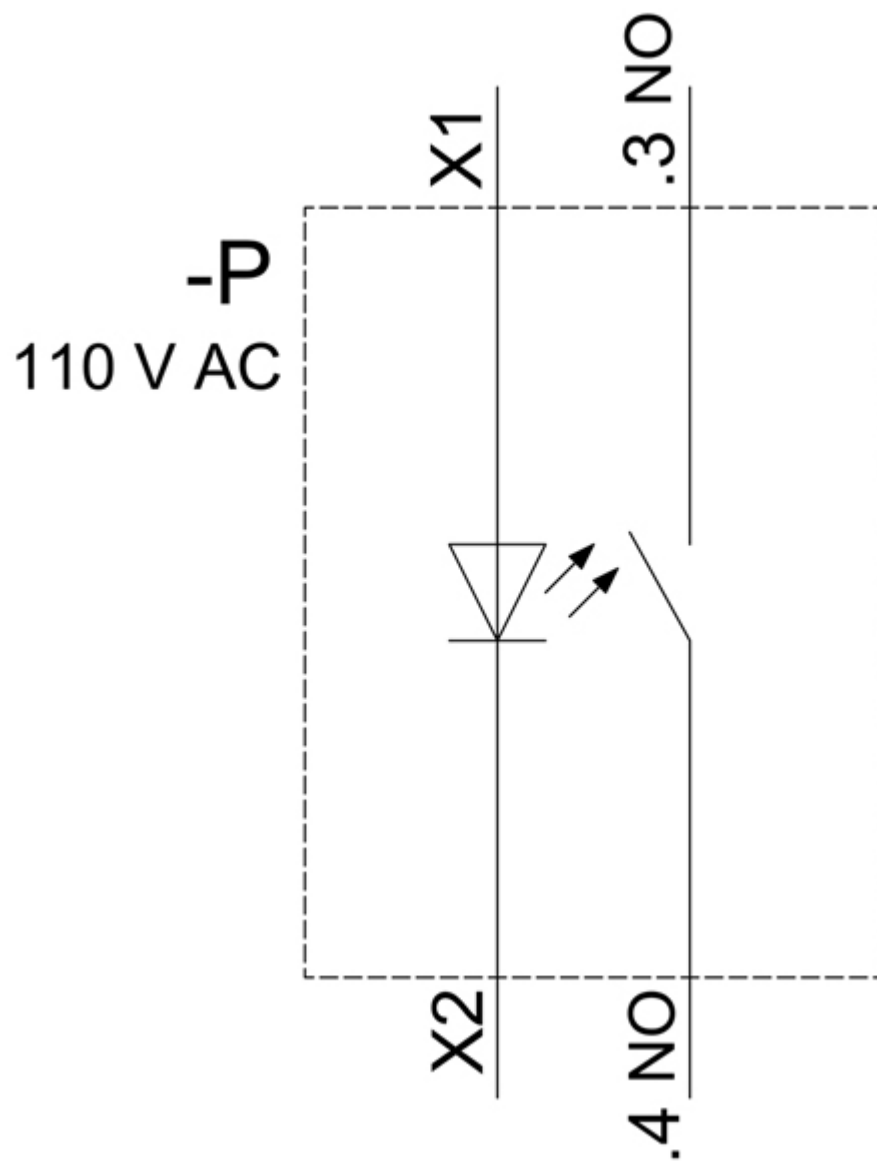
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB30-1BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1153-0AB30-1BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1153-0AB30-1BA0&lang=en)





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