

ILLUMINATED PUSHBUTTON, 22MM, ROUND, METAL, SHINY, RED, FLAT BUTTON, MOMENTARY CONTACT TYPE, WITH HOLDER, 1NC, LED MODULE, WITH INTEGRATED LED 110V AC, SCREW TERMINAL



Figure similar

|                                |                                    |
|--------------------------------|------------------------------------|
| Product brand name             | SIRIUS ACT                         |
| Product designation            | Pushbuttons                        |
| Product type designation       | 3SU1                               |
| Manufacturer's article number  |                                    |
| • of supplied contact module   | <a href="#">3SU1400-1AA10-1CA0</a> |
| • 1 of supplied contact module | <a href="#">3SU1400-1AA10-1CA0</a> |
| • of supplied LED module       | <a href="#">3SU1401-1BC20-1AA0</a> |
| • of the supplied holder       | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator     | <a href="#">3SU1051-0AB20-0AA0</a> |
| Number of command points       | 1                                  |

|                                             |                                         |
|---------------------------------------------|-----------------------------------------|
| Actuator                                    |                                         |
| Design of the operating mechanism           | illuminated pushbutton with flat button |
| Manner of function of the actuating element | Momentary contact type                  |
| Product extension optional Light source     | Yes                                     |
| Color                                       |                                         |
| • of the actuating element                  | Red                                     |
| 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        |
| Type of unlocking device                | without  |

#### Front ring

|                              |                   |
|------------------------------|-------------------|
| 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            |

#### Holder

|                        |       |
|------------------------|-------|
| Material of the holder | Metal |
|------------------------|-------|

#### Display

|                       |   |
|-----------------------|---|
| Number of LED modules | 1 |
|-----------------------|---|

#### General technical data

|                                                         |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| <b>Product function</b>                                 |                                                      |
| • positive opening                                      | Yes                                                  |
| <b>Product component</b>                                |                                                      |
| • Light source                                          | Yes                                                  |
| <b>Insulation voltage</b>                               |                                                      |
| • rated value                                           | 320 V                                                |
| <b>Degree of pollution</b>                              | 3                                                    |
| <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>                 | NEMA 1, 2, 3, 3R, 4, 4X, 12                          |
| <b>Shock resistance</b>                                 |                                                      |
| • acc. to IEC 60068-2-27                                | Sinusoidal half-wave 50 g / 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                                            |
| <b>Mechanical service life (switching cycles)</b>       |                                                      |
| • typical                                               | 3 000 000                                            |
| <b>Electrical endurance (switching cycles)</b>          |                                                      |
| • typical                                               | 10 000 000                                           |
| <b>Thermal current</b>                                  | 10 A                                                 |
| <b>Equipment marking</b>                                |                                                      |
| • acc. to DIN EN 61346-2                                | S                                                    |
| • acc. to DIN EN 81346-2                                | 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>Main circuit</b>                                   |                                                                                            |
| <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>                                 |                                                                                            |
| <b>Supply voltage 1 of the light source at AC</b>     |                                                                                            |
| • at 50 Hz rated value                                | 110 V                                                                                      |
| • at 60 Hz rated value                                | 110 V                                                                                      |
| <b>Auxiliary circuit</b>                              |                                                                                            |
| <b>Design of the contact of auxiliary contacts</b>    | Silver alloy                                                                               |
| <b>Number of NC contacts</b>                          |                                                                                            |
| • for auxiliary contacts                              | 1                                                                                          |
| <b>Number of NO contacts</b>                          |                                                                                            |
| • for auxiliary contacts                              | 0                                                                                          |
| <b>Number of CO contacts</b>                          |                                                                                            |
| • for auxiliary contacts                              | 0                                                                                          |
| <b>Connections/Terminals</b>                          |                                                                                            |
| <b>Type of electrical connection</b>                  |                                                                                            |
| • 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 conductors                                   | 2x (18 ... 14)                                                                             |
| <b>Tightening torque of the screws in the bracket</b> | 1 ... 1.2 N·m                                                                              |
| <b>Tightening torque</b>                              |                                                                                            |
| • 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>                      | red                                                                                        |
| <b>Light intensity</b>                                | 450 ... 1 120 mcd                                                                          |
| <b>Ambient conditions</b>                             |                                                                                            |
| <b>Ambient temperature</b>                            |                                                                                            |

- during operation
- during storage

-25 ... +70 °C

-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)

#### Installation/ mounting/ dimensions

|                                                    |                      |
|----------------------------------------------------|----------------------|
| <b>Mounting type</b>                               | front 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              |

#### Certificates/approvals

##### General Product Approval

##### Declaration of Conformity

##### Test Certificates



CCC



CSA



UL



EG-Konf.

[Declaration of the  
Compliance with the  
order](#)

##### Test Certificates

##### Shipping Approval

[Special Test  
Certificate](#)



ABS



LRS



PRS



RINA



RMRS

##### other

[Confirmation](#)

#### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1153-0AB20-1CA0>

**Cax online generator**

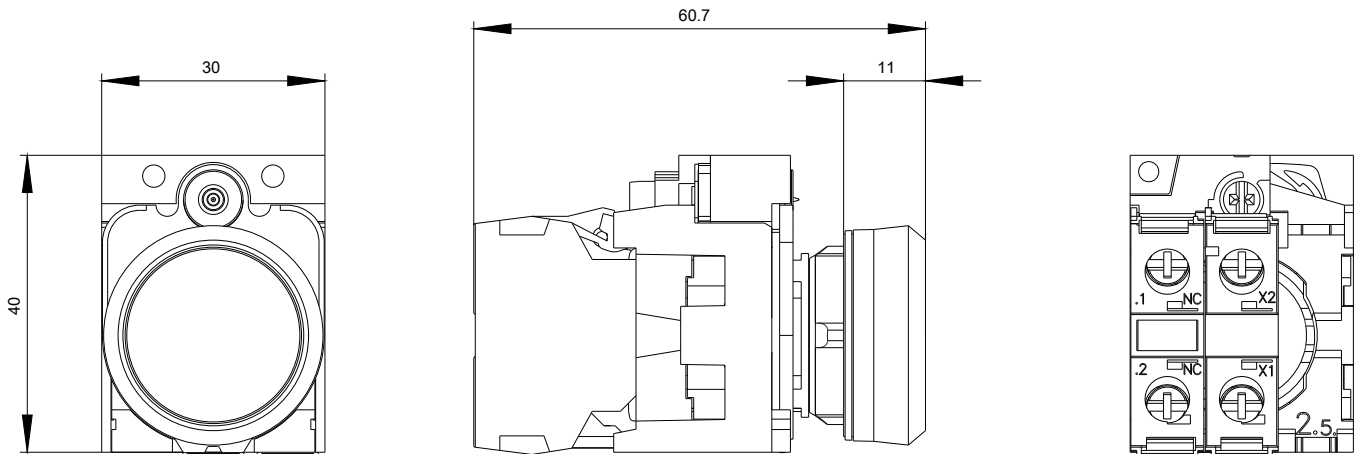
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB20-1CA0>

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

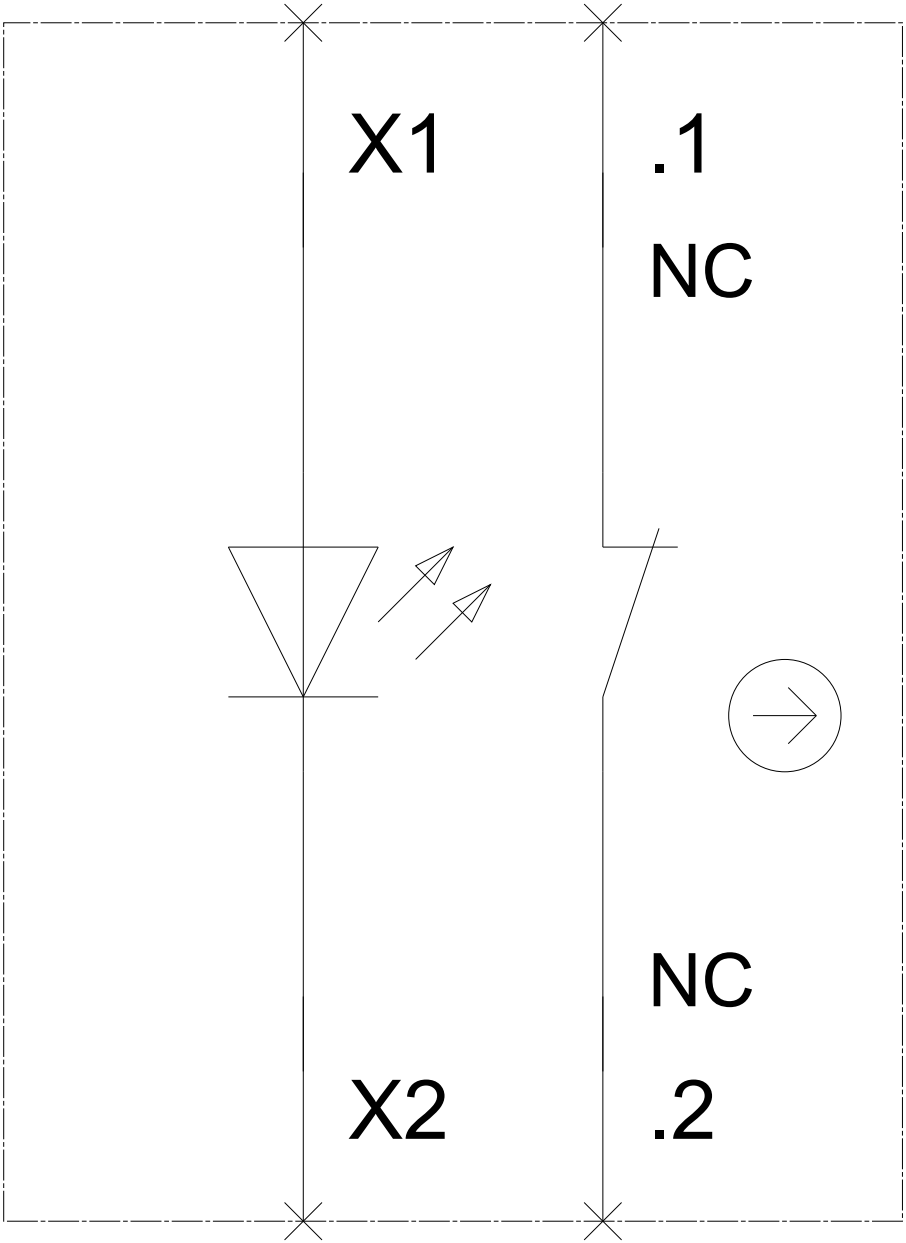
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB20-1CA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1153-0AB20-1CA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1153-0AB20-1CA0&lang=en)



**-P**  
**110 V AC**



last modified:

07/10/2017