

Illuminated pushbutton, 22 mm, round, metal, shiny, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, screw terminal



|                                |                                    |
|--------------------------------|------------------------------------|
| 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  |                                    |
| • 1 of supplied contact module | <a href="#">3SU1400-1AA10-1FA0</a> |
| • of supplied LED module       | <a href="#">3SU1401-1BB50-1AA0</a> |
| • of the supplied holder       | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator     | <a href="#">3SU1051-0AB50-0AA0</a> |
| Number of command points       | 1                                  |

| Actuator                                    |                        |
|---------------------------------------------|------------------------|
| Design of the operating mechanism           | Button, flat           |
| Manner of function 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, high gloss                                    |
| Color of the front ring                          | silver                                               |
| <b>Holder</b>                                    |                                                      |
| Material of the holder                           | Metal                                                |
| <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                                                 |
| Degree of protection NEMA rating                 | 1, 2, 3, 3R, 4, 4X, 12, 13                           |
| Shock resistance                                 |                                                      |
| • acc. to IEC 60068-2-27                         | Sinusoidal half-wave 50 g / 11 ms                    |
| Vibration resistance                             |                                                      |
| • acc. to IEC 60068-2-6                          | 10 ... 500 Hz: 5g                                    |
| Operating frequency maximum                      | 3 600 1/h                                            |
| Mechanical service life (switching cycles)       |                                                      |
| • typical                                        | 3 000 000                                            |
| Electrical endurance (switching cycles)          |                                                      |
| • typical                                        | 10 000 000                                           |
| Thermal current                                  | 10 A                                                 |
| Reference code acc. to DIN EN 81346-2            | S                                                    |
| Reference code acc. to DIN EN 61346-2            | 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                                                 |
| Operating voltage                                |                                                      |

- at AC
  - at 50 Hz rated value
  - at 60 Hz rated value
- at DC
  - rated value

5 ... 500 V  
5 ... 500 V  
5 ... 500 V

## Power Electronics

### Contact reliability

One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)

## Supply voltage

### Type of voltage of the supply voltage

- of the light source

AC/DC

### Supply voltage of the light source at AC

- at 50 Hz rated value
- at 60 Hz rated value

24 V  
24 V

### Supply voltage of the light source at DC

- rated value

24 V

## Control circuit/ Control

### Inrush current of LED module maximum

2 A

## Auxiliary circuit

### Design of the contact of auxiliary contacts

Silver alloy

### Number of NC contacts for auxiliary contacts

1

### Number of NO contacts for auxiliary contacts

1

## Connections/ Terminals

### Type of electrical connection

- of modules and accessories

Screw-type terminal

### Type of connectable conductor cross-sections

- solid with core end processing
- solid without core end processing
- finely stranded with core end processing
- finely stranded without core end processing
- at AWG conductors

2x (0.5 ... 0.75 mm<sup>2</sup>)  
2x (1.0 ... 1.5 mm<sup>2</sup>)  
2x (0.5 ... 1.5 mm<sup>2</sup>)  
2x (1.0 ... 1.5 mm<sup>2</sup>)  
2x (18 ... 14)

### Tightening torque of the screws in the bracket

1 ... 1.2 N·m

### Tightening torque

- with screw-type terminals

0.8 ... 0.9 N·m

## Lamp

### Type of light source

LED

### Color of the light source

blue

### Light intensity

280 ... 710 mcd

## Ambient conditions

### Ambient temperature

- 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 panel 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>                          | 71.7 mm              |

#### Certificates/ approvals

##### General Product Approval



[Miscellaneous](#)

##### Test Certificates

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

##### Marine / Shipping



##### Marine / Shipping

##### other

[Confirmation](#)



#### Further information

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

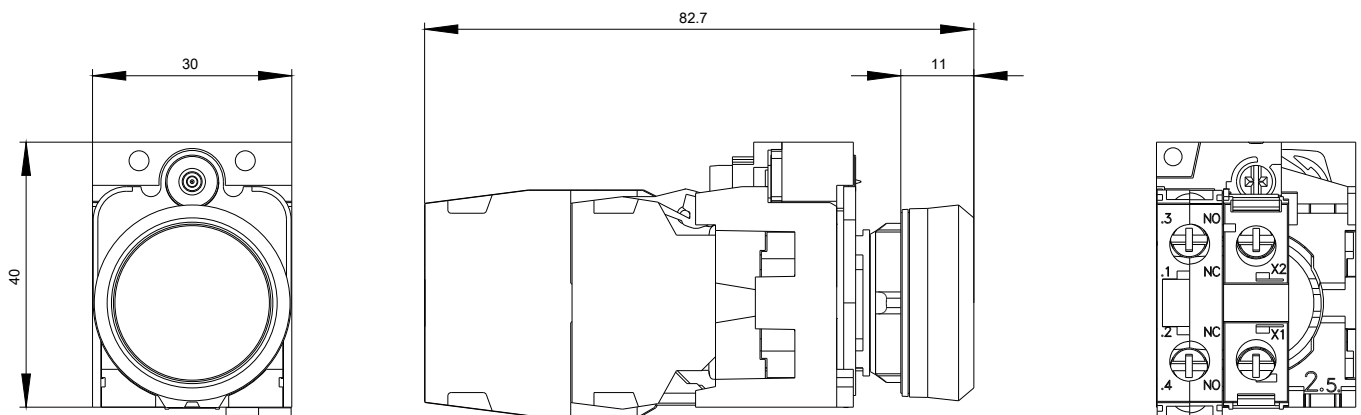
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

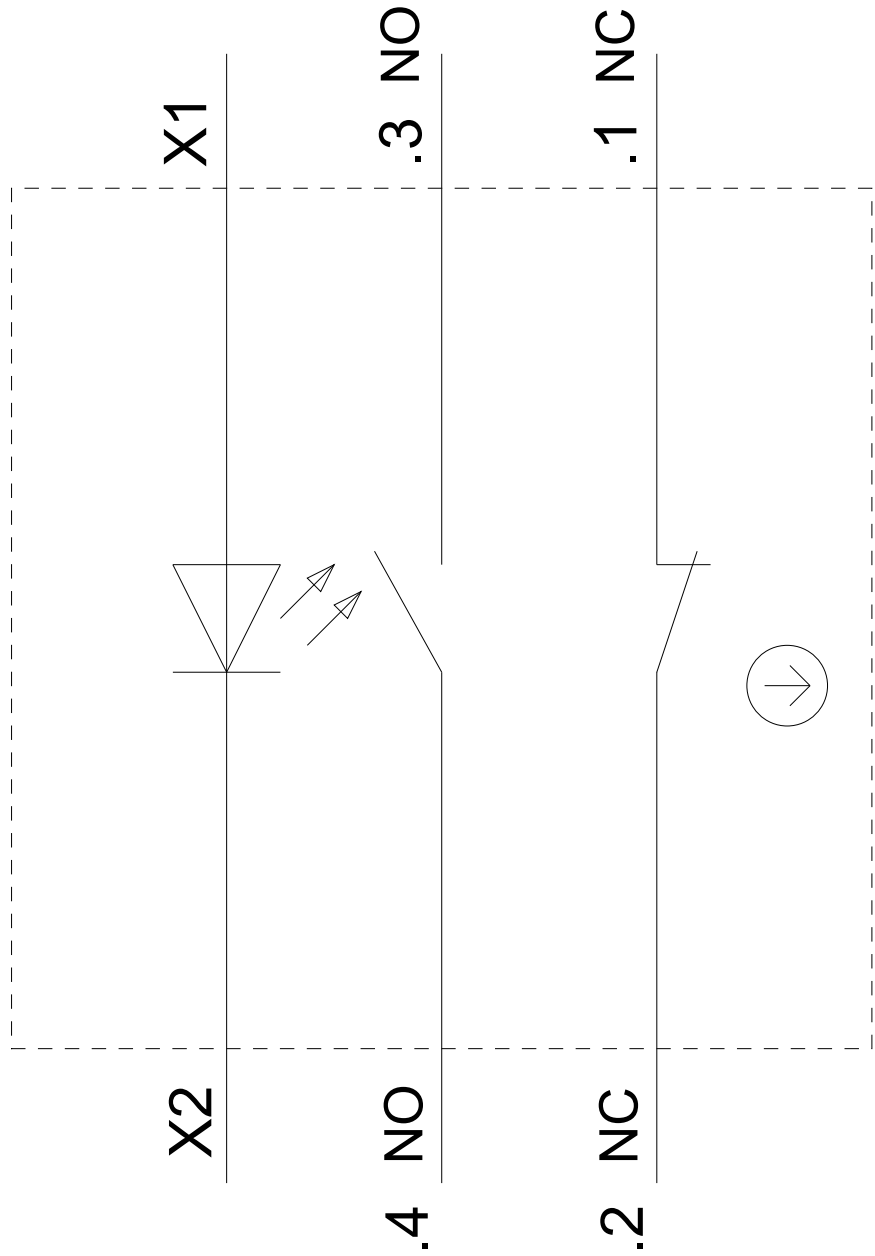
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1152-0AB50-1FA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB50-1FA0>



24 V AC/DC  
-P



last modified:

04/04/2020