

Illuminated pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, 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>Manufacturer's article number</b>	
<ul style="list-style-type: none"> <li>• 1 of supplied contact module</li> <li>• of supplied LED module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul>	<a href="#">3SU1400-1AA10-1BA0</a> <a href="#">3SU1401-1BB20-1AA0</a> <a href="#">3SU1500-0AA10-0AA0</a> <a href="#">3SU1031-0AB20-0AA0</a>
<b>Number of command points</b>	1

Actuator	
<b>Manner of function of the actuating element</b>	Momentary contact type
<b>Product extension optional Light source</b>	Yes
<b>Color</b>	
<ul style="list-style-type: none"> <li>• of the actuating element</li> </ul>	Red
<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

Front ring	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	Metal, matt
Color of the front ring	sand gray
Holder	
Material of the holder	Plastic
Display	
Number of LED modules	1
General technical data	
<b>Product function</b>	
• positive opening	No
<b>Product component</b>	
• Light source	Yes
<b>Insulation voltage</b>	
• rated value	320 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	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>	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
<b>Shock resistance</b>	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<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>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</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>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

## 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

0

### Number of NO contacts for auxiliary contacts

1

### Number of CO contacts

- for auxiliary contacts

0

## 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

red

### Light intensity

450 ... 1 120 mcd

## Ambient conditions

### Ambient temperature

- during operation

-25 ... +70 °C

- 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)

### 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



[Miscellaneous](#)

#### Test Certificates

#### Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



#### Marine / Shipping

#### 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=3SU1132-0AB20-1BA0>

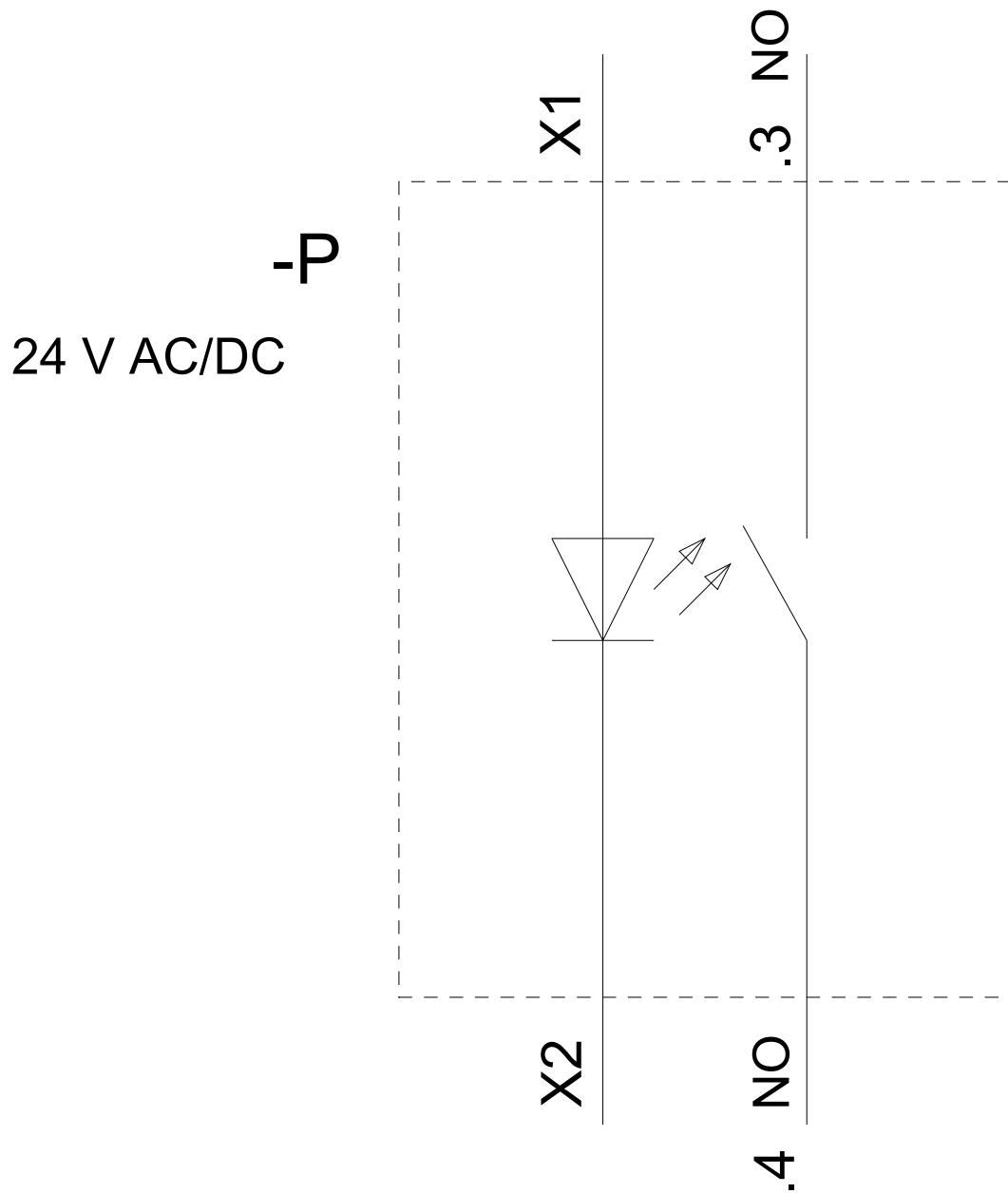
**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB20-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB20-1BA0>





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