

Pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, screw terminal,



product brand name	SIRIUS ACT
Product designation	Pushbuttons
Design of the product	Complete unit
Product type designation	3SU1
Product line	Plastic, black, 22 mm
Manufacturer's article number	<ul style="list-style-type: none"> <li>• 1 of supplied contact module <a href="#">3SU1400-1AA10-1FA0</a></li> <li>• of the supplied holder <a href="#">3SU1500-0AA10-0AA0</a></li> <li>• of the supplied actuator <a href="#">3SU1000-0AB20-0AA0</a></li> </ul>
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	No
Color	<ul style="list-style-type: none"> <li>• of the actuating element red</li> </ul>
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	plastic
Color of the front ring	black
<b>Holder</b>	
Material of the holder	Plastic
<b>Display</b>	
Number of LED modules	0
<b>General technical data</b>	
<b>Product function</b>	
• positive opening	Yes
<b>Product component</b>	
• Light source	No
• Insulation voltage rated value	500 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>	6 kV
• Protection class IP	IP66, IP67, IP69(IP69K)
• Protection class IP 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 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>Vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• 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	10 000 000
<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
  - at 60 Hz rated value
- at DC
  - rated value

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

## Power Electronics

<b>Contact reliability</b>	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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## Auxiliary circuit

<b>Design of the contact of auxiliary contacts</b>	Silver alloy
<b>Number of NC contacts for auxiliary contacts</b>	1
<b>Number of NO contacts for auxiliary contacts</b>	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	2x (0.5 ... 0.75 mm <sup>2</sup> )
• Type of connectable conductor cross-sections solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (1,0 ... 1,5 mm <sup>2</sup> )
• Type of connectable conductor cross-sections 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

## Ambient conditions

<b>Ambient temperature</b>	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 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

Positive tolerance of installation diameter	0.4 mm
Mounting height	11 mm
Installation width	29.5 mm
installation depth	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=3SU1100-0AB20-1FA0>

#### Cax online generator

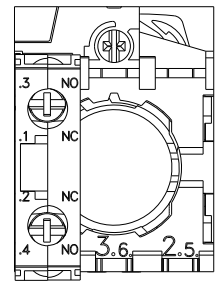
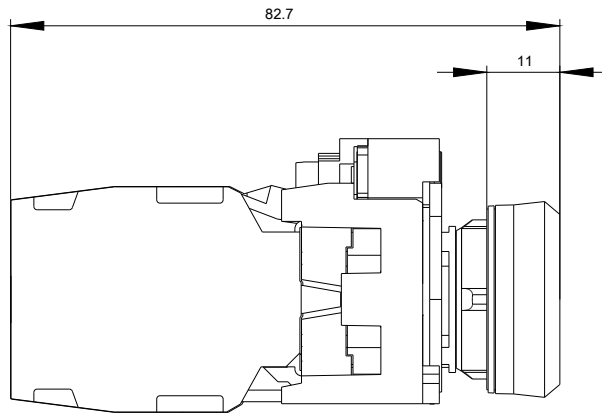
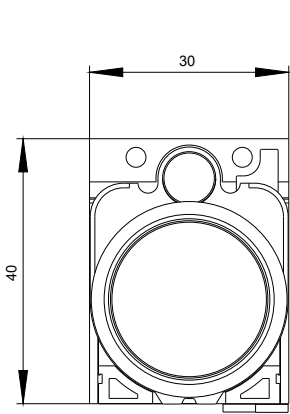
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB20-1FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB20-1FA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-0AB20-1FA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB20-1FA0&lang=en)





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