



EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NC, screw terminal

**product brand name**

**product designation**

**design of the product**

**product type designation**

**product line**

**manufacturer's article number**

- of supplied contact module at position 1
- of the supplied holder
- of the supplied actuator
- of supplied accessory

SIRIUS ACT

EMERGENCY STOP mushroom pushbuttons

Complete unit

3SU1

Plastic, black, 22 mm

[3SU1400-1AA10-1CA0](#)

[3SU1550-0AA10-0AA0](#)

[3SU1000-1HB20-0AA0](#)

[3SU1900-0BC31-0AT0](#)

### Enclosure

**number of command points**

1

### Actuator

**design of the actuating element**

positive latching

**principle of operation of the actuating element**

latching

**product extension optional light source**

No

**color of the actuating element**

red

**material of the actuating element**

plastic

**shape of the actuating element**

round

**outer diameter of the actuating element**

40 mm

**number of contact modules**

1

**type of unlocking device**

rotate-to-unlatch mechanism

### Front ring

**product component front ring**

No

### Holder

**material of the holder**

Plastic

### Display

**number of LED modules**

0

### General technical data

**product function**

- positive opening
- EMERGENCY OFF function
- EMERGENCY STOP function

Yes

Yes

Yes

**product component light source**

No

**insulation voltage rated value**

500 V

**degree of pollution**

3

**type of voltage of the operating voltage**

AC/DC

**surge voltage resistance rated value**

6 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

<b>shock resistance</b>	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> <li>• for railway applications according to EN 61373</li> </ul>	sinusoidal half-wave 15g / 11 ms Category 1, Class B
<b>vibration resistance</b>	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>	10 ... 500 Hz: 5g Category 1, Class B
<b>operating frequency maximum</b>	
mechanical service life (operating cycles) typical	600 1/h
electrical endurance (operating cycles) typical	300 000
<b>thermal current</b>	
<b>reference code according to IEC 81346-2</b>	
<b>continuous current of the C characteristic MCB</b>	
<b>continuous current of the quick DIAZED fuse link</b>	
<b>continuous current of the DIAZED fuse link gG</b>	
<b>Substance Prohibitance (Date)</b>	
<b>operating voltage</b>	
<ul style="list-style-type: none"> <li>• at AC</li> </ul>	10 A; for a short-circuit current smaller than 400 A
<ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul>	10 A
<ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>	10 A
	10/01/2014
	5 ... 500 V
	5 ... 500 V
	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>Auxiliary circuit</b>	
<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>	0
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Screw-type terminal
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG cables</li> </ul>	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)
<b>tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m
<b>Safety related data</b>	
B10 value with high demand rate according to SN 31920	100 000
<b>proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul>	20 % 20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +70 °C -40 ... +80 °C
environmental category during operation according 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)
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	front plate mounting
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	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>	46.4 mm
<b>installation width</b>	75 mm
<b>installation depth</b>	48.6 mm

Accessories	
number of backing plates	1
marking of backing plate	EMERGENCY-STOP
color of backing plate	Yellow

Certificates/ approvals	
General Product Approval	Declaration of Conformity



[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping	other
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[Environmental Conformations](#)

[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=3SU1100-1HB20-1CH0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CH0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-1HB20-1CH0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CH0&lang=en)



