

EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: Arrêt d'urgence, with holder, 1 NO+1 NC, screw terminal

product brand name	SIRIUS ACT
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number	
<ul style="list-style-type: none"> <li>• 1 of supplied contact module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> <li>• of supplied accessory</li> </ul>	<a href="#">3SU1400-1AA10-1FA0</a> <a href="#">3SU1550-0AA10-0AA0</a> <a href="#">3SU1050-1HB20-0AA0</a> <a href="#">3SU1900-0BC31-0GQ0</a>

### Enclosure

number of command points	1
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### Actuator

design of the operating mechanism	positive latching
manner of function of the actuating element	latching
<ul style="list-style-type: none"> <li>• product extension optional light source</li> </ul>	No
color	
<ul style="list-style-type: none"> <li>• of the actuating element</li> </ul>	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
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### Holder

material of the holder	Metal
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### Display

number of LED modules	0
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### General technical data

product function	
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	Yes

• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
<b>product component</b>	
• light source	No
<b>insulation voltage</b>	
• 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
<b>protection class IP</b>	IP66, IP67, IP69(IP69K)
<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 50g / 11 ms
<b>vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
<b>operating frequency maximum</b>	600 1/h
<b>mechanical service life (switching cycles)</b>	
• typical	300 000
<b>electrical endurance (switching cycles)</b>	
• typical	300 000
<b>thermal current</b>	10 A
<b>reference code acc. to DIN EN 81346-2</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

<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

<b>type of electrical connection</b>	
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<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> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• solid without core end processing</li> </ul>	2x (1.0 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	2x (1,0 ... 1,5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors</li> </ul>	2x (18 ... 14)
<b>tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
<b>tightening torque</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts with screw-type terminals</li> </ul>	0.8 ... 0.9 N·m

#### Safety related data

<b>B10 value</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	100 000
<b>proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>	20 %
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	20 %
<b>failure rate [FIT]</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>	100 FIT
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y

#### Ambient conditions

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)
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#### Installation/ mounting/ dimensions

<ul style="list-style-type: none"> <li>• <b>mounting type</b></li> </ul>	front panel mounting
<ul style="list-style-type: none"> <li>• mounting type 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>	70.6 mm

#### Accessories

<b>number of backing plates</b>	1
<b>marking of backing plate</b>	ARRET D'URGENCE
<b>color of backing plate</b>	Yellow

#### Certificates/ approvals

General Product Approval	Declaration of Conformity
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CCC



CSA



UL



EG-Konf.

[Miscellaneous](#)

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

[Special Test Certificate](#)



ABS



LRS



PRS



RINA

Marine / Shipping	other
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RMRS

[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=3SU1150-1HB20-1FJ0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HB20-1FJ0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HB20-1FJ0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1150-1HB20-1FJ0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HB20-1FJ0&lang=en)



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