



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, without inscription, with holder, 1 NC, screw terminal

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	EMERGENCY STOP mushroom pushbuttons
<b>design of the product</b>	Complete unit
<b>product type designation</b>	3SU1
<b>product line</b>	Plastic, black, 22 mm
<b>manufacturer's article number</b>	
<ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> <li>• of supplied accessory</li> </ul>	3SU1400-1AA10-1CA0 3SU1500-0AA10-0AA0 3SU1000-1HB20-0AA0 3SU1900-0BC31-0AA0
<b>Enclosure</b>	
<b>number of command points</b>	1
<b>Actuator</b>	
<b>design of the actuating element</b>	positive latching
<b>principle of operation of the actuating element</b>	latching
product extension optional light source	No
color of the actuating element	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>	40 mm
<b>number of contact modules</b>	1
<b>type of unlocking device</b>	rotate-to-unlatch mechanism
<b>Front ring</b>	
<b>product component front ring</b>	No
<b>Holder</b>	
<b>material of the holder</b>	Plastic
<b>Display</b>	
<b>number of LED modules</b>	0
<b>General technical data</b>	
<b>product function</b>	
<ul style="list-style-type: none"> <li>• positive opening</li> <li>• EMERGENCY OFF function</li> <li>• EMERGENCY STOP function</li> </ul>	Yes Yes Yes
product component light source	No
insulation voltage rated value	500 V
<b>degree of pollution</b>	3
type of voltage of the operating voltage	AC/DC

<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b> • of the terminal	IP66, IP67, IP69(IP69K) 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 • for railway applications acc. to DIN EN 61373	Sinusoidal half-wave 50g / 11 ms Category 1, Class B
<b>vibration resistance</b> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373	10 ... 500 Hz: 5g Category 1, Class B
<b>operating frequency maximum</b>	600 1/h
mechanical service life (switching cycles) typical	300 000
electrical endurance (switching cycles) typical	300 000
<b>thermal current</b>	10 A
<b>reference code acc. to IEC 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> • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value • operating voltage at DC rated value	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> • of modules and accessories	Screw-type terminal
<b>type of connectable conductor cross-sections</b> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables	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> • tightening torque for auxiliary contacts with screw-type terminals	1 ... 1.2 N·m 0.8 ... 0.9 N·m
<b>Safety related data</b>	
B10 value with high demand rate acc. to SN 31920	100 000
<b>proportion of dangerous failures</b> • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	20 % 20 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y
<b>Ambient conditions</b>	
• ambient temperature during operation • ambient temperature during storage	-25 ... +70 °C -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)
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b> • of modules and accessories	front panel mounting Front plate mounting
<b>height</b>	40 mm

width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	46.4 mm
installation width	75 mm
installation depth	48.6 mm

#### Accessories

number of backing plates	1
marking of backing plate	none
color of backing plate	Yellow

#### Certificates/ approvals

General Product Approval	Declaration of Conformity
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[Miscellaneous](#)



#### Test Certificates

#### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



#### 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?mfb=3SU1100-1HB20-1CF0>

Cax online generator

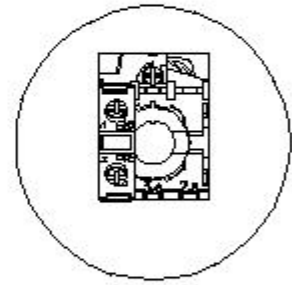
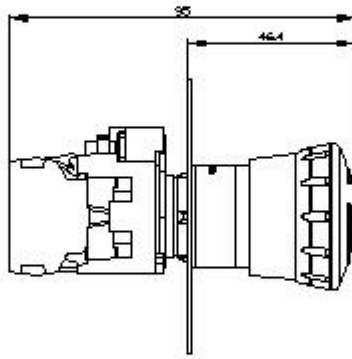
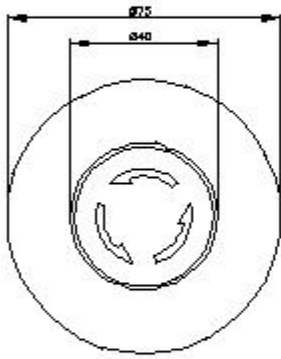
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1100-1HB20-1CF0>

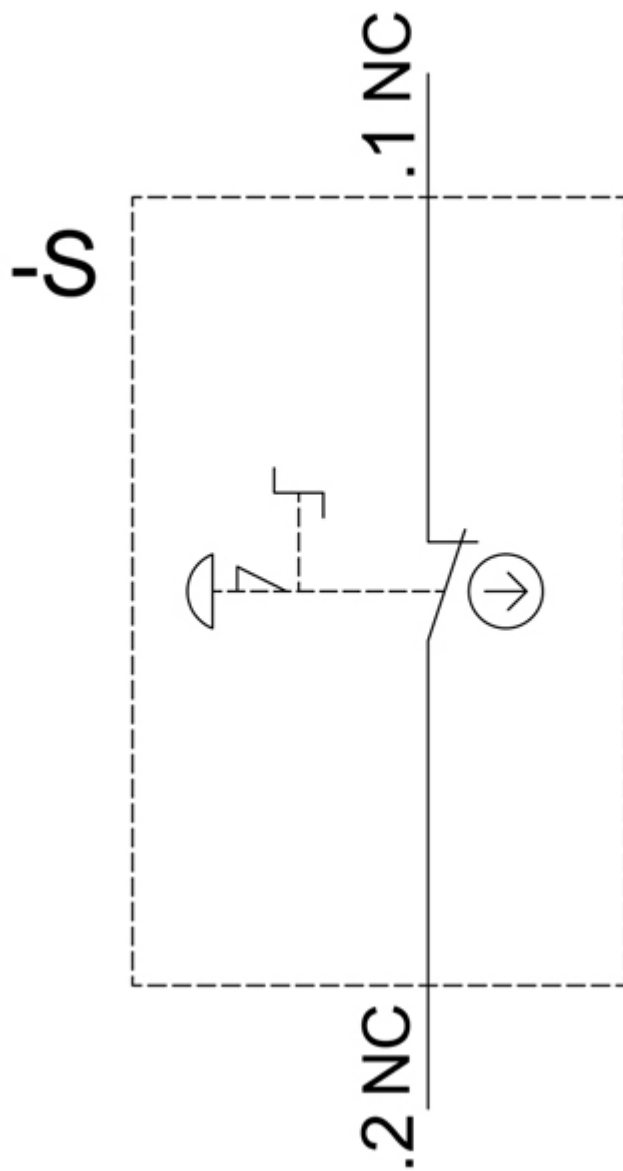
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CF0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1100-1HB20-1CF0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1100-1HB20-1CF0&lang=en)





last modified:

8/31/2020 