

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, inscription: EMERGENCY STOP, with holder, 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	Plastic, black, 22 mm
<ul style="list-style-type: none"> • Manufacturer's article number 1 of supplied contact module • Manufacturer's article number of the supplied holder • Manufacturer's article number of the supplied actuator • Manufacturer's article number of supplied accessory 	3SU1400-1AA10-1CA0 3SU1500-0AA10-0AA0 3SU1000-1HB20-0AA0 3SU1900-0BC31-0DA0

Enclosure	
Number of command points	1

Actuator	
design of the operating mechanism	positive latching
manner of function 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	Yes
• product function EMERGENCY OFF function	Yes
• Product function EMERGENCY STOP function	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
• shock resistance acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• Shock resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
• vibration resistance acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• Vibration resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	600 1/h
• mechanical service life (switching cycles) typical	300 000
• electrical endurance (switching cycles) typical	300 000
thermal current	10 A
reference code acc. to DIN EN 81346-2	S
Continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A
Continuous current of the DIAZED fuse link gG	10 A

<ul style="list-style-type: none"> — operating voltage at AC at 50 Hz rated value 	5 ... 500 V
<ul style="list-style-type: none"> — operating voltage at AC at 60 Hz rated value 	5 ... 500 V
<ul style="list-style-type: none"> operating voltage at DC <ul style="list-style-type: none"> — 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)
----------------------------	--

Auxiliary circuit

design of the contact of auxiliary contacts	Silver alloy
<ul style="list-style-type: none"> number of NC contacts for auxiliary contacts 	1
<ul style="list-style-type: none"> number of NO contacts for auxiliary contacts 	0

Connections/ Terminals

<ul style="list-style-type: none"> Type of electrical connection of modules and accessories 	Screw-type terminal
<ul style="list-style-type: none"> Type of connectable conductor cross-sections solid with core end processing 	2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> Type of connectable conductor cross-sections solid without core end processing 	2x (1.0 ... 1.5 mm ²)
<ul style="list-style-type: none"> Type of connectable conductor cross-sections finely stranded with core end processing 	2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> Type of connectable conductor cross-sections finely stranded without core end processing 	2x (1,0 ... 1,5 mm ²)
<ul style="list-style-type: none"> type of connectable conductor cross-sections at AWG conductors 	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
<ul style="list-style-type: none"> tightening torque for auxiliary contacts with screw-type terminals 	0.8 ... 0.9 N·m

Safety related data

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

Installation/ mounting/ dimensions

<ul style="list-style-type: none"> • mounting type 	front panel mounting
<ul style="list-style-type: none"> • Mounting type of modules and accessories 	Front plate mounting
height	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	EMERGENCY STOP
Color of backing plate	Yellow

Certificates/ approvals

General Product Approval			Declaration of Conformity		
					Miscellaneous
CCC	CSA	UL		EG-Konf.	

Test Certificates	Marine / Shipping				
Special Test Certificate	Type Test Certificates/Test Report				
		ABS	LRS	PRS	RINA

Marine / Shipping	other
	Confirmation
RMRS	

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=3SU1100-1HB20-1CG0>

Cax online generator

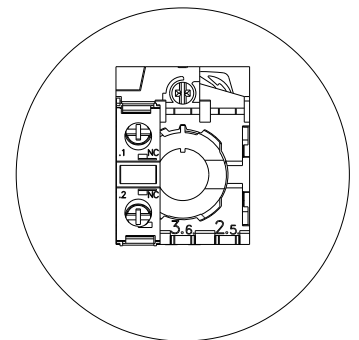
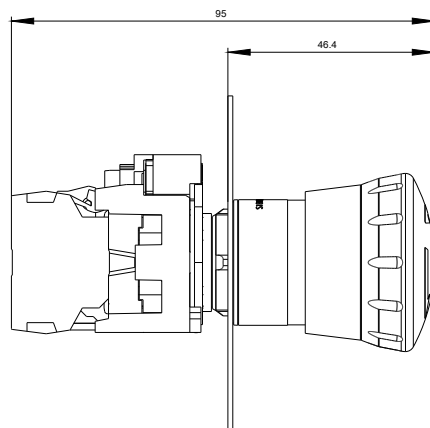
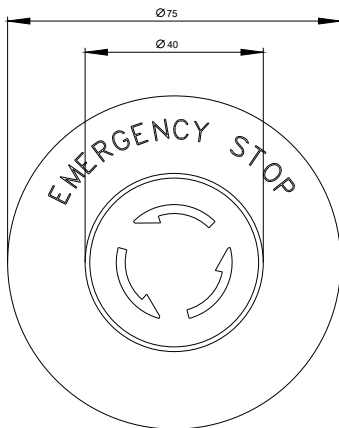
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CG0>

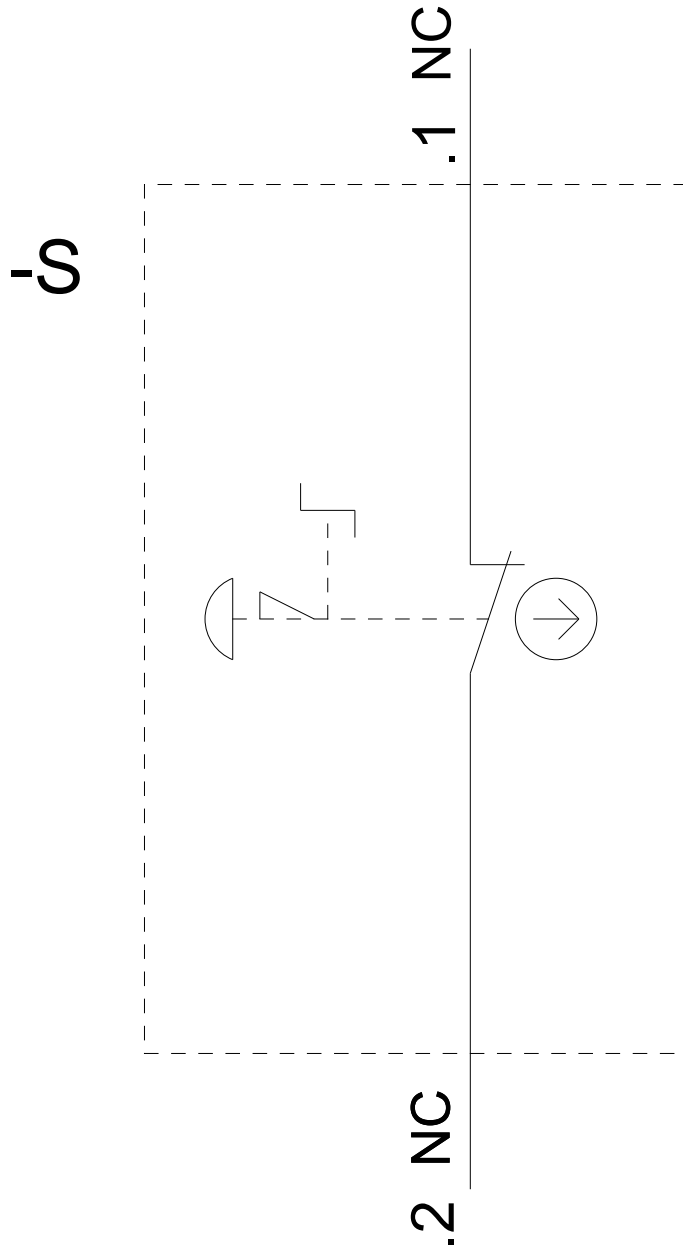
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CG0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CG0&lang=en





last modified:

08/31/2020