

EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, latching, according to EN ISO13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-AUS, with holder, 1 NC, 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
Manufacturer's article number	
• 1 of supplied contact module	3SU1400-1AA10-1CA0
• 2 of supplied contact module	3SU1400-1AA10-1CA0
• of the supplied holder	3SU1500-0AA10-0AA0
• of the supplied actuator	3SU1000-1LB20-0AA0
• of supplied accessory	3SU1900-0BC31-0AT0

Enclosure

Number of command points	1
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Actuator

Design of the operating mechanism	positive latching acc. to EN ISO 13850
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	2
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
• EMERGENCY OFF function	Yes
• 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	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• 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
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• 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

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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
Operating voltage - 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

Contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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Auxiliary circuit

Design of the contact of auxiliary contacts	Silver alloy
Number of NC contacts for auxiliary contacts	2
Number of NO contacts for auxiliary contacts	0

Connections/ Terminals

Type of electrical connection of modules and accessories	Screw-type terminal
Type of connectable conductor cross-sections - solid with core end processing - solid without core end processing - finely stranded with core end processing - finely stranded without core end processing - at AWG conductors	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m

Ambient conditions

Ambient temperature - during operation - 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)

Installation/ mounting/ dimensions

Mounting type of modules and accessories	front mounting 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	DNV-GL DNVGL.COM/AF	

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1LB20-1PH0>

Cax online generator

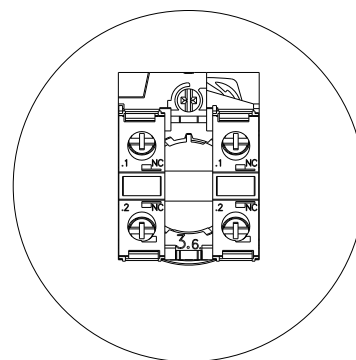
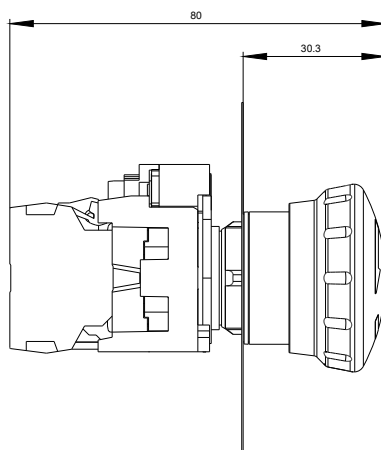
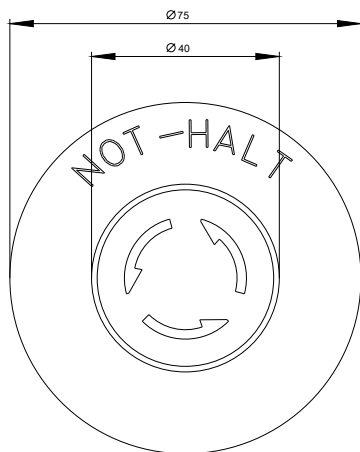
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1LB20-1PH0>

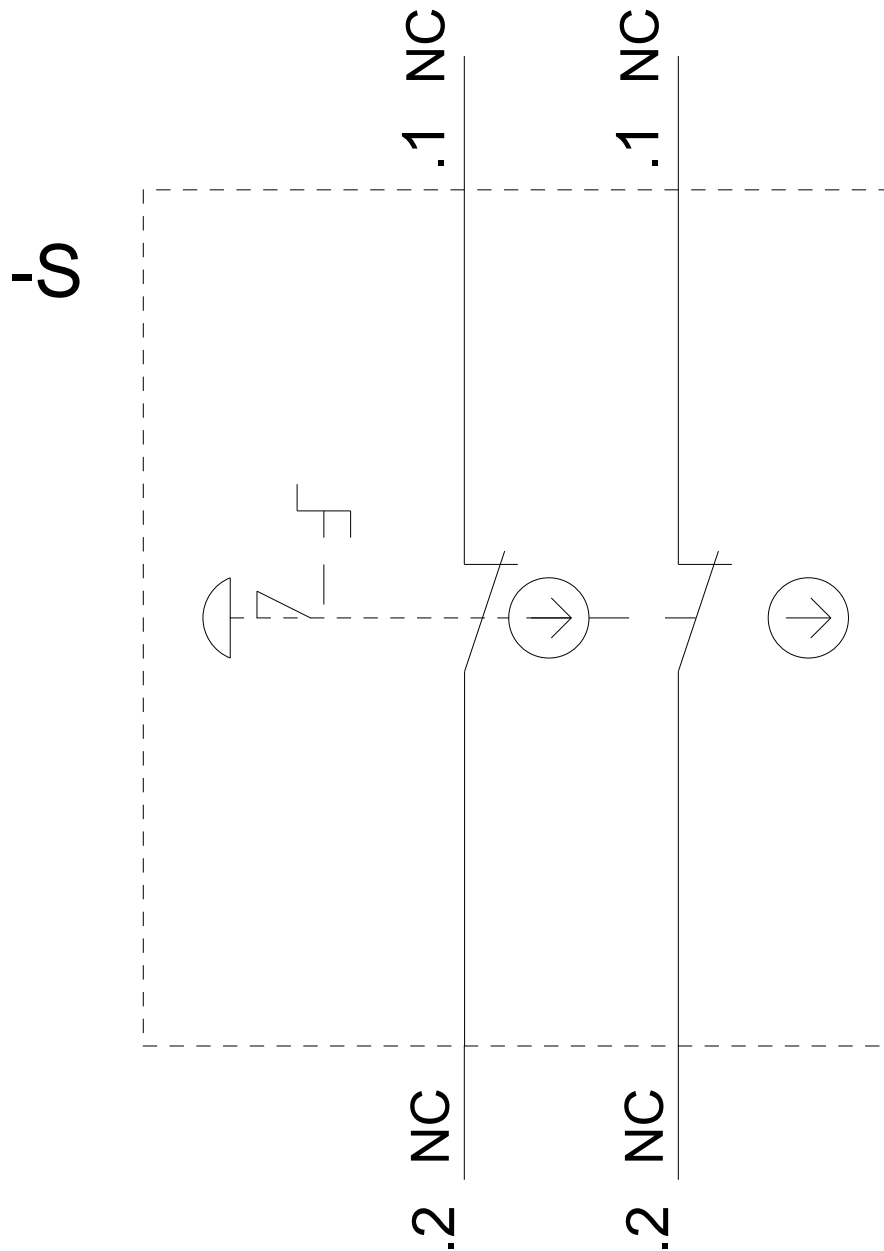
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1LB20-1PH0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1LB20-1PH0&lang=en





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