

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



Figure similar

Product brand name	SIRIUS ACT
Product designation	EMERGENCY STOP mushroom pushbuttons
Design of the product	Komplettgerät
Product type designation	3SU1
Manufacturer's article number	
• 1 of supplied contact module	3SU1400-1AA10-1CA0
• of the supplied holder	3SU1500-0AA10-0AA0
• of the supplied actuator	3SU1000-1HB20-0AA0
• of supplied accessory	3SU1900-0BC31-0AA0

Enclosure	
Number of command points	1

Actuator	
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
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
Product component	
• Light source	No
Insulation voltage	
• rated value	500 V
Degree of pollution	3
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
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	
• 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)
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Auxiliary circuit

Design of the contact of auxiliary contacts	Silver alloy
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Number of NC contacts • for auxiliary contacts	1
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Number of NO contacts • for auxiliary contacts	0
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Number of CO contacts • for auxiliary contacts	0
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Connections/Terminals

Type of electrical connection • of modules and accessories	Screw-type terminal
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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)
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Tightening torque of the screws in the bracket	1 ... 1.2 N·m
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Tightening torque • for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m
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Safety related data

B10 value • with high demand rate acc. to SN 31920	100 000
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Proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	20 % 20 %
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Failure rate [FIT] • with low demand rate acc. to SN 31920	100 FIT
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T1 value for proof test interval or service life acc. to IEC 61508	20 y
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Ambient conditions

Ambient temperature • during operation • during storage	-25 ... +70 °C -40 ... +80 °C
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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

Mounting type	front mounting
• 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	none
Color of backing plate	Yellow

Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 EAC	 EG-Konf.
 CSA		Declaration of the Compliance with the order
 UL		

Test Certificates	Marine / Shipping
Special Test Certificate	 ABS
	 LRS
	 PRS
	 RINA
	 RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	Confirmation

Further information

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

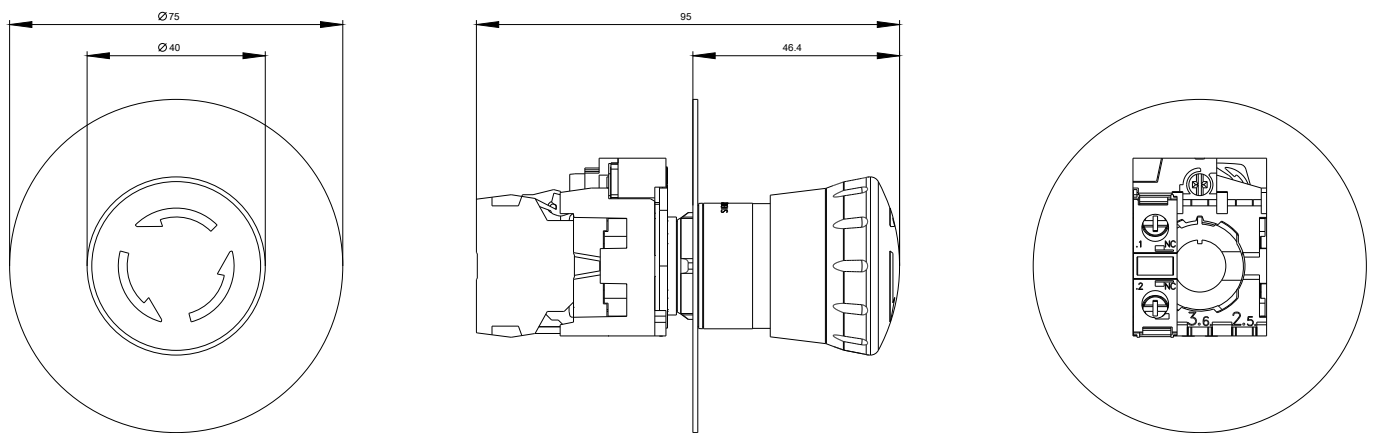
<http://www.siemens.com/industrial-controls/catalogs>

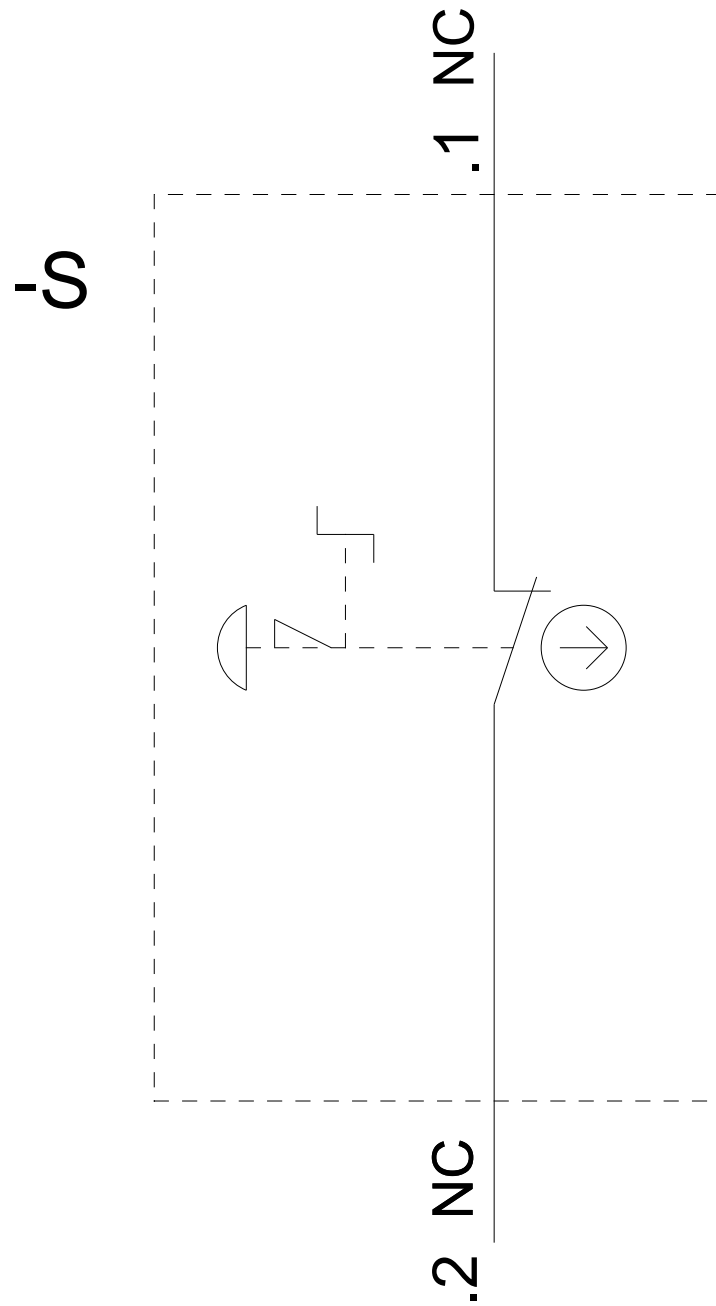
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-1CF0>

Cax online generator

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





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