



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

product designation

design of the product

product type designation

product line

manufacturer's article number

- of supplied contact module at position 1
- of the supplied holder
- of the supplied actuator
- of supplied accessory

SIRIUS ACT

EMERGENCY STOP mushroom pushbuttons

Complete unit

3SU1

Plastic, black, 22 mm

[3SU1400-1AA10-1CA0](#)

[3SU1550-0AA10-0AA0](#)

[3SU1000-1HB20-0AA0](#)

[3SU1900-0BC31-0DA0](#)

Enclosure

number of command points

1

Actuator

design of the actuating element

positive latching

principle of operation 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
- EMERGENCY OFF function
- EMERGENCY STOP function

Yes

Yes

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	
<ul style="list-style-type: none"> • according to IEC 60068-2-27 • for railway applications according to EN 61373 	sinusoidal half-wave 15g / 11 ms Category 1, Class B
vibration resistance	
<ul style="list-style-type: none"> • according to IEC 60068-2-6 • for railway applications according to EN 61373 	10 ... 500 Hz: 5g 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 according to IEC 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
Substance Prohibitance (Date)	10/01/2014
operating voltage	
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — 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)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	0
Connections/ Terminals	
type of electrical connection	
<ul style="list-style-type: none"> • of modules and accessories 	Screw-type terminal
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • 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 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
Safety related data	
B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 	20 % 20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +70 °C -40 ... +80 °C
environmental category during operation according 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	
fastening method	front plate mounting
<ul style="list-style-type: none"> • 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
		Confirmation			
Declaration of Conformity		Test Certificates	Marine / Shipping		
	Type Test Certificates/Test Report	Special Test Certificate			
Marine / Shipping		other			
		Environmental Confirmations	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=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					

