SIEMENS

Data sheet

3SU1100-1HB20-1CG0



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

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 principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules

type of unlocking device

positive latching

latching No

red

plastic

round

40 mm

1

rotate-to-unlatch mechanism

Front ring

product component front ring No

material of the holder Plastic

number of LED modules 0

General technical data

product function

positive opening

• EMERGENCY OFF function

• EMERGENCY STOP function product component light source Nο

insulation voltage rated value

degree of pollution

type of voltage of the operating voltage surge voltage resistance rated value

degree of protection NEMA rating

protection class IP

• of the terminal

Yes

Yes

Yes

500 V

AC/DC 6 kV

IP66, IP67, IP69(IP69K)

1, 2, 3, 3R, 4, 4X, 12, 13

ahaak raajatanaa	
shock resistance	
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	3.7,7
according to IEC 60068-2-6	10 500 Hz: 5g
 for railway applications according to 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 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
•	10 A
continuous current of the DIAZED fuse link gG	
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
	E
— at 50 Hz rated value	5 500 V
 at 60 Hz rated value 	5 500 V
at DC 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)
A	V , ,
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	
tune of electrical connection	
type of electrical connection	
 of modules and accessories 	Screw-type terminal
type of connectable conductor cross-sections	
	2v (0.5 0.75 mm²)
 solid with core end processing 	2x (0.5 0.75 mm²)
 solid without core end processing 	2x (1.0 1.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
 at AWG cables 	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque for auxiliary contacts with screw-type	0.8 0.9 N·m
terminals	0.0 0.0 IV III
10111111111	
Safety related data	
B10 value with high demand rate according to SN 31920	100 000
	.00 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN	100 FIT
31920	100111
Ambient conditions	
ambient temperature	
•	25 170 °C
during operation	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
60721	condensation in operation permitted for all devices behind front panel)
	, , , , , , , , , , , , , , , , , , , ,
Installation/ mounting/ dimensions	
fastening method	front plate mounting
of modules and accessories	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
	22.3 mm
mounting diameter	
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 marking of backing plate color of backing plate 1

EMERGENCY STOP Yellow

or backing plate

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

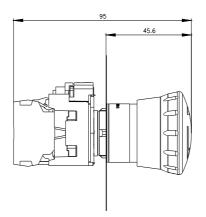
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-1HB20-1CG0}$

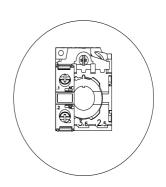
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

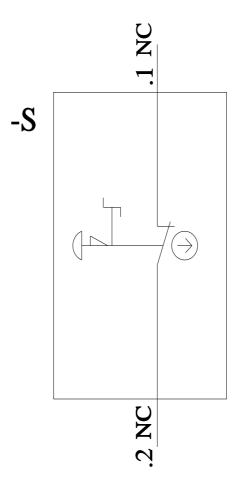
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CG0

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









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