SIEMENS

Data sheet

3SU1100-1HB20-1CH0





EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NC, screw terminal



product brand name	SINIUS 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		
 of supplied contact module at position 1 	3SU1400-1AA10-1CA0	
 of the supplied holder 	3SU1550-0AA10-0AA0	
 of the supplied actuator 	3SU1000-1HB20-0AA0	
 of supplied accessory 	3SU1900-0BC31-0AT0	
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 	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	

SIRIUS ACT

surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
protection class IP of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	singularidal half ways 45 at / 44 mag
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
for railway applications according to EN 61373 vibration resistance	Category 1, Class B
	40 500 He 5-
according to IEC 60068-2-6 for a live a sea live to a sea sealing to EN 04070	10 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	600 1/h
mechanical service life (operating cycles) typical	300 000
electrical endurance (operating 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
Weight	81 g
operating voltage	
• at AC	
— 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)
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
number of NO contacts for auxiliary contacts Connections/ Terminals	0
•	0
Connections/ Terminals	0 Screw-type terminal
Connections/ Terminals type of electrical connection	
type of electrical connection • of modules and accessories	
type of electrical connection of modules and accessories type of connectable conductor cross-sections	Screw-type terminal
type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing	Screw-type terminal 2x (0.5 0.75 mm²)
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type of electrical connection	Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,8 14) 1 1.2 N·m
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global warming potential [CO2 eq] during manufacturing	0.566 kg
global warming potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
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
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	NOT-HALT
color of backing plate	Yellow
Approvals Certificates	
General Product Approval	







Confirmation





Test Certificates Environment other

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Confirmation



Siemens **EcoTech**



Environmental Con-firmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1100-1HB20-1CH0

Cax online generator

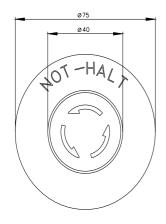
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-1HB20-1CH0}$

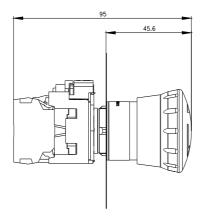
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

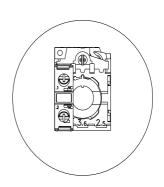
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CH0

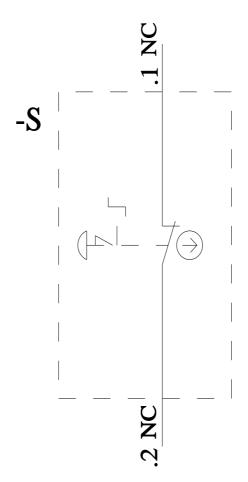
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CH0&lang=en









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