## SIEMENS

## Data sheet

## 3SU1100-1HB20-1CH0

NOT -HALL	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	SIRIUS ACT		
•			
product designation	EMERGENCY STOP mushroom pushbuttons		
design of the product product type designation	Complete unit 3SU1		
product type designation	Plastic, black, 22 mm		
manufacturer's article number	Flash, Diack, 22 mm		
of supplied contact module at position 1	3SU1400-1AA10-1CA0		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
<ul> <li>of the supplied noticel</li> <li>of the supplied actuator</li> </ul>	3SU1000-1HB20-0AA0		
<ul> <li>of supplied accessory</li> </ul>	3SU1900-0BC31-0AT0		
Enclosure	<u>3501900-0BC31-0A10</u>		
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		
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		

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shock resistance				
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms			
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B			
vibration resistance				
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g			
<ul> <li>for railway applications according to EN 61373</li> </ul>	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			
operating voltage	10/0 1/20 14			
• at AC				
	F F00.1/			
— 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			
Connections/ Terminals				
type of electrical connection				
<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal			
type of connectable conductor cross-sections				
solid with core end processing	2x (0.5 0.75 mm²)			
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm <sup>2</sup> )			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.5 1.5 mm <sup>2</sup> )			
	2x (0.5 1.5 mm <sup>2</sup> )			
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul>				
	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				
	400.000			
B10 value with high demand rate according to SN 31920	100 000			
proportion of dangerous failures	00.04			
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %			
with high demand rate according to SN 31920	20 %			
failure rate [FIT] with low demand rate according to SN	100 FIT			
31920				
Ambient conditions				
ambient temperature				
<ul> <li>during operation</li> </ul>	-25 +70 °C			
<ul> <li>during storage</li> </ul>	-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			
<ul> <li>of modules and accessories</li> </ul>	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			
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Accessories							
marking of backing plate			1 EMERGENCY-STOP Yellow				
Certificates/ approvals							
General Product Ap	proval				Declaration of Conformity		
	<u>Confirmation</u>	() CCC		EAC	CE EG-Konf.		
Declaration of Conformity	Test Certificates		Marine / Shipping				
UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific</u> <u>ate</u>	ABS	Lloyd's Register urs	PRS		
Marine / Shipping		other					
RINA	RMRS	Environmental Con- firmations	<u>Confirmation</u>				
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=3SU1100-1HB20-1CH0

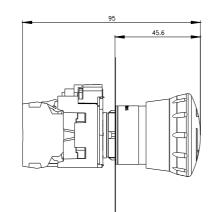
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CH0

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

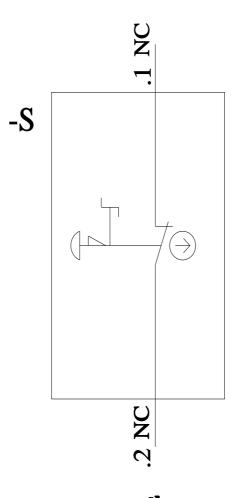
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CH0

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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