SIEMENS

Data sheet

3SU1100-1HB20-1CJ0



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: Arrêt d'urgence, with holder, 1 NC, screw terminal

product brand name	SIRIUS 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 	<u>3SU1400-1AA10-1CA0</u>		
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>		
 of the supplied actuator 	<u>3SU1000-1HB20-0AA0</u>		
 of supplied accessory 	<u>3SU1900-0BC31-0GQ0</u>		
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		
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			
 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			
 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 (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			
• 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		
Connections/ Terminals			
type of electrical connection			
 of modules and accessories 	Screw-type terminal		
type of connectable conductor cross-sections			
 solid with core end processing 	2x (0.5 0.75 mm²)		
 solid without core end processing 	2x (1.0 1.5 mm ²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)		
 finely stranded without core end processing 	2x (1,0 1,5 mm²)		
 for 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 terminals	0.8 0.9 N·m		
Safety related data			
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			
B10 value with high demand rate according to SN 31920	100 000		
IEC 62061			
T1 value for proof test interval or service life according to IEC 61508	20 a		
Ambient conditions			
ambient temperature			
during operation	-25 +70 °C		
during storage	-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)		
Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
Global Warming Potential [CO2 eq] total	0.787 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation			
	U.235 KQ		
global warming potential [CO2 eq] after end of life	0.235 kg -0.015 kg		

Installation/ mounting/ o	dimensions					
fastening method			t plate mounting			
 of modules and a 	odules and accessories		nt plate mounting			
height		40 r	nm			
width		30 r	nm			
shape of the installation opening		rour	nd			
mounting diameter		22.3	3 mm			
positive tolerance of installation diameter		0.4	0.4 mm			
mounting height		46.4	46.4 mm			
installation width		75 r	nm			
installation depth		48.6	δ mm			
Accessories						
number of backing pla	packing plates		1			
marking of backing pl	marking of backing plate		ARRET D'URGENCE			
color of backing plate	olor of backing plate		Yellow			
Approvals Certificates						
General Product App	roval				Declaration of Con- formity	
	<u>Confirmation</u>		(UL)	EAC	UK CA	
Declaration of Con- formity	Test Certificates		Marine / Shipping			
CE EG-Konf.	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS	Lloyds Register us	PRS	
Marine / Shipping	other	Environment				
RINA	Confirmation	Environmental Con- firmations				

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1100-1HB20-1CJ0

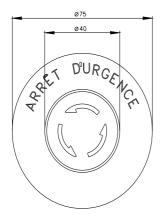
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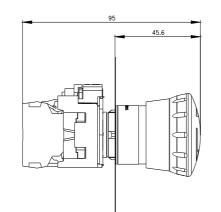
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CJ0

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

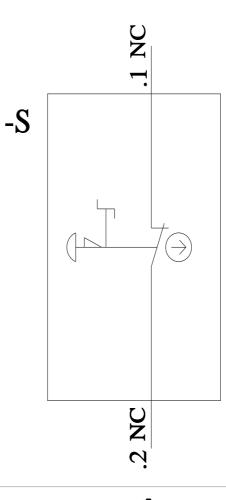
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CJ0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CJ0&lang=en









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