SIEMENS

Data sheet

3SU1100-1GB20-1PA0



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 30 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, without yellow backing plate, with holder, 1 NC, 1 NC, screw terminal

product brand name SIRUIS ACT product designation EMERGENCY STOP mushroom pushbuitons design of the product Complete unit product lime Plastic, black, 22 mm manufacturer's article number - • of supplied contact module at position 1 3SU1400-1AA10-1CA0 • of supplied contact module at position 2 3SU1400-1AA10-1CA0 • of the supplied contact module at position 2 3SU1400-1AA10-1CA0 • of the supplied actuator 3SU100-1HB20-DAA0 Enclosure number of command points 1 Actuator 3SU100-1HB20-DAA0 enclosure No - ord the actuating element Iatching principle of operation of the actuating element Iatching principle of operation of the actuating element red outer diameter of the actuating element six mon outer diameter of the actuating element 33.8 mn number of LED modules 2 type of unlocking device retate-to-unlatch mechanism Front ring No footar product function e Mattig of the ho	Figure similar			
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Enclosure 1 Actuator	 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>		
number of command points 1 Actuator	 of the supplied actuator 	<u>3SU1000-1HB20-0AA0</u>		
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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	EMERGENCY STOP function	Yes		
degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	product component light source	No		
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	insulation voltage rated value	500 V		
surge voltage resistance rated value 6 kV	degree of pollution	3		
	type of voltage of the operating voltage	AC/DC		
protection class IP IP66, IP67, IP69(IP69K)	surge voltage resistance rated value	6 kV		
	protection class IP	IP66, IP67, IP69(IP69K)		

of the terminal	IP20, clamping screw tightened
• of the terminal degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	1, 2, 0, 01, 4, 4A, 12, 10
	sinuscidal half wave 15x / 11 ma
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	40 - 500 Hz. 5-
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
a 110 - 17	(5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
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 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)
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	
B10 value with high demand rate according to SN 31920	100 000
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 31920	100 FIT
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
	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	
Installation/ mounting/ dimensions	condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions fastening method	condensation in operation permitted for all devices behind front panel) front plate mounting
Installation/ mounting/ dimensions fastening method • of modules and accessories	condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting
Installation/ mounting/ dimensions fastening method • of modules and accessories height	condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm
Installation/ mounting/ dimensions fastening method • of modules and accessories height width	condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 30 mm
Installation/ mounting/ dimensions fastening method • of modules and accessories height width shape of the installation opening	condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 30 mm round
Installation/ mounting/ dimensions fastening method • of modules and accessories height width shape of the installation opening mounting diameter	condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 30 mm round 22.3 mm

installation width		33.8	mm		
installation depth		70.6	mm		
Accessories					
number of backing pla	ates	0			
Certificates/ approvals					
General Product App	roval				Declaration of Con- formity
(SP)	<u>Confirmation</u>			EHC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	Lloyds Register us	PRS
Marine / Shipping	other	Environment			
RINA	Confirmation	Environmental Con- firmations			

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=3SU1100-1GB20-1PA0

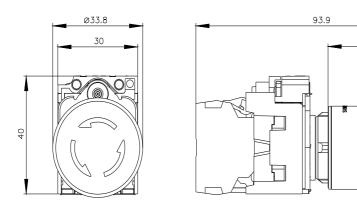
Cax online generator

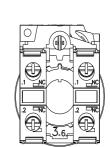
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1GB20-1PA0

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

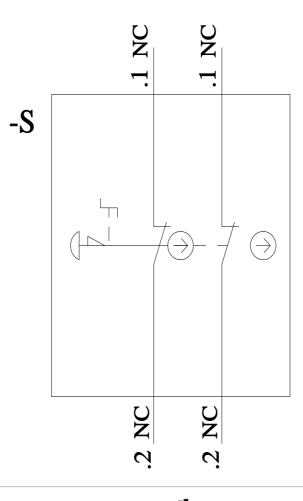
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1GB20-1PA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1GB20-1PA0&lang=en





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