SIEMENS

Data sheet

3SU1100-1GB20-1PA0



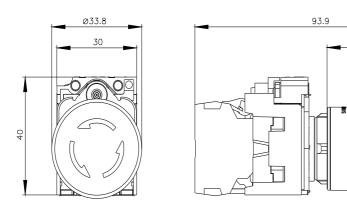
EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 30 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, without yellow backing plate, with holder, 1 NC, 1 NC, screw terminal

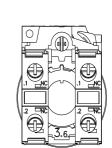
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product brand name				
product brand name				
product designation	EMERGENCY STOP mushroom pushbuttons			
design of the product	Complete unit			
product type designation	3SU1			
product line	Plastic, black, 22 mm			
manufacturer's article number				
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1CA0</u>			
 of supplied contact module at position 2 	<u>3SU1400-1AA10-1CA0</u>			
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>			
 of the supplied actuator 	<u>3SU1000-1HB20-0AA0</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	33.8 mm			
number of contact modules	2			
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)			

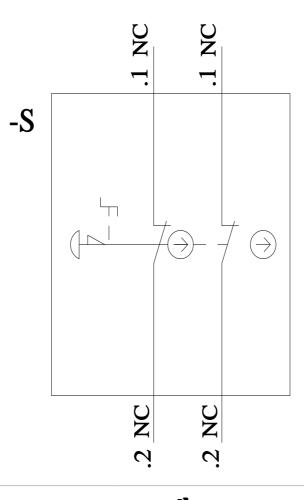
of the terminal	IP20, clamping screw tightened		
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13		
shock resistance			
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms		
 for railway applications according to EN 61373 	Category 1, Class B		
operating frequency maximum	600 1/h		
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	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 mm ²)		
 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 operation orage	-25 +70 °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)		
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	0.235 kg		
global warming potential [CO2 eq] after end of life	-0.015 kg		
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 0.4 n					
positive tolerance of installation diameter		46.4					
mounting height							
installation width			mm				
installation depth			mm				
ccessories		_					
number of backing pla	ates	0					
pprovals Certificates							
General Product App	roval				Declaration of Con- formity		
() E	<u>Confirmation</u>			EAC	CE EG-Konf.		
Declaration of Con- formity	Test Certificates		Marine / Shipping				
UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	Lloyd's Register us	PRS		
Marine / Shipping	other	Environment					
RINA	<u>Confirmation</u>	Environmental Con- firmations					
urther information	to ovit the Pussian mar	kat (saa bara)					
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)							
		alog/product?mlfb=3SU1	<u>100-1GB20-1PA0</u>				
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1GB20-1PA0							
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Image database (prod	uct images, 2D dimensi		, device circuit diagram	s, EPLAN macros,)			





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