SIEMENS

Data sheet

3SU1100-1HA20-1FG0



EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, pull-to-unlatch mechanism, with yellow backing plate, inscription: EMERGENCY STOP, with holder, 1 NO+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>3SU1400-1AA10-1FA0</u>			
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>			
 of the supplied actuator 	<u>3SU1000-1HA20-0AA0</u>			
 of supplied accessory 	<u>3SU1900-0BC31-0DA0</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	pull-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	1
number of NO contacts for auxiliary contacts	1
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	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 mm

positive tolerance of i	nstallation diameter	0.4	mm		
mounting height		46.4	1 mm		
installation width		75 r	nm		
installation depth		70.6	3 mm		
Accessories					
number of backing pla	ates	1			
marking of backing pl	ate	EM	ERGENCY STOP		
color of backing plate		Yell	OW		
Approvals Certificates					
General Product App	roval				Declaration of Con- formity
() M		<u>Confirmation</u>		EHC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS	Lloyds Register urs	PRS
Marine / Shipping	other	Environment			
RINA	Confirmation	Environmental Con- firmations			
urther information					
	to exit the Russian mar				
Siemens is working of Please contact your loc	om/global/en/pressreleas n the renewal of the cur al Siemens office on the ther than the sanctioned	rent EAC certificates. status of validity of the E	AC certification if you intend	to import or offer to su	pply these products to a
Information on the pa	ckaging		,		
	siemens.com/cs/ww/en/v				
Information- and Down https://www.siemens.co	nloadcenter (Catalogs, om/ic10	Brochures,)			

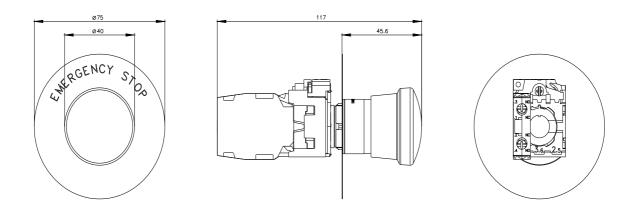
https://www.siemens.com/ic10

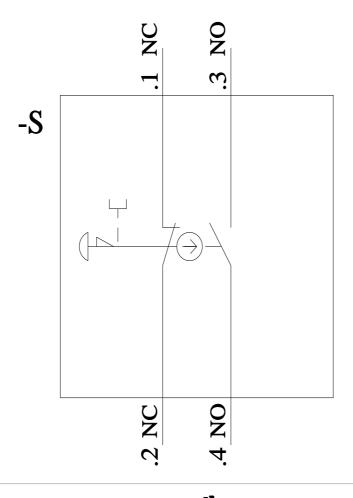
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HA20-1FG0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HA20-1FG0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HA20-1FG0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HA20-1FG0&lang=en





11/8/2023 🖸