SIEMENS

Data sheet

3SU1100-1HB20-3FH0



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 NO+1 NC, spring-type 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 	3SU1400-1AA10-3FA0
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>
 of the supplied actuator 	3SU1000-1HB20-0AA0
 of supplied accessory 	<u>3SU1900-0BC31-0AT0</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
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	Spring-type terminal
type of connectable conductor cross-sections	Opring-type terminal
	2v /0.25 1.5 mm²)
solid without core end processing finally stranded with core and processing	2x (0.25 1.5 mm²)
finely stranded with core end processing	2x (0.25 0.75 mm²)
finely stranded without core end processing	2x (0.25 1.5 mm²)
• for AWG cables	2x (24 16)
tightening torque of the screws in the bracket	1 1.2 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 condensation in operation permitted for all devices behind front panel)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
	Yes 0.787 kg
Environmental Product Declaration(EPD)	
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.787 kg
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.787 kg 0.566 kg
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.787 kg 0.566 kg 0.235 kg
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life	0.787 kg 0.566 kg 0.235 kg -0.015 kg
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories height	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 40 mm
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 40 mm 30 mm
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 40 mm 30 mm round
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 40 mm 30 mm round 22.3 mm
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 40 mm 30 mm round

installation width	75 mm
installation depth	70.6 mm
Accessories	
number of backing plates	1
marking of backing plate	EMERGENCY-STOP
color of backing plate	Yellow
Approvals Certificates	

General Product Approval

Declaration of Conformity





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

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=3SU1100-1HB20-3FH0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-3FH0

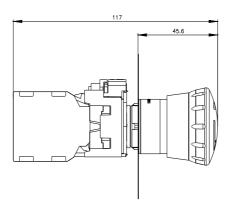
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

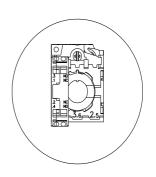
 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-3FH0}}$

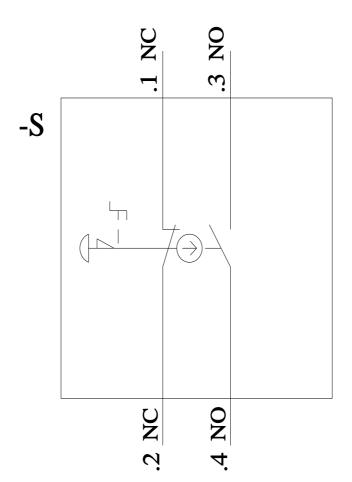
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-3FH0&lang=en









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