SIEMENS

Data sheet

3SU1100-1HB20-1FJ0



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 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 	3SU1400-1AA10-1FA0		
of the supplied holder	3SU1550-0AA10-0AA0		
of the supplied actuator	3SU1000-1HB20-0AA0		
of supplied accessory	3SU1900-0BC31-0GQ0		
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, clamping screw tightened		

	4.0.000 4.00 40.40		
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		
<u> </u>	(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 operation 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		
	40 mm		
height width			
	30 mm		
shape of the installation opening	round 22.3 mm		
mounting diameter			

positive tolerance of installation diameter	0.4 mm
mounting height	46.4 mm
installation width	75 mm
installation depth	70.6 mm
Accessories	
number of backing plates	1
marking of backing plate	ARRET D'URGENCE
color of backing plate	Yellow
Approvals Cortificates	

Approvals Certificates

General Product Approval

Declaration of Conformity





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







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=3SU1100-1HB20-1FJ0

Cax online generator

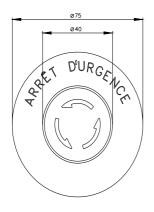
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1FJ0

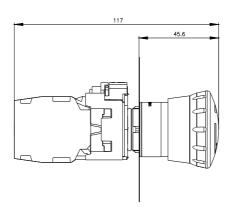
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

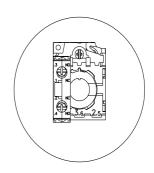
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1FJ0

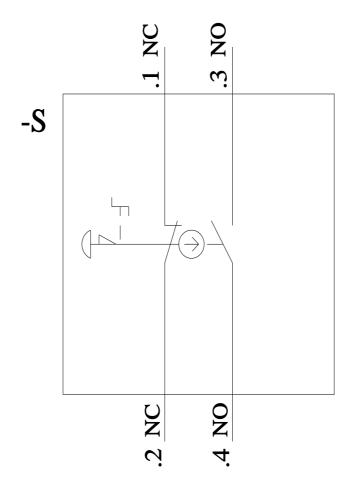
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1FJ0&lang=en









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