SIEMENS

Data sheet

3SU1100-1HB20-3PF0





EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, according to DIN EN ISO 13850, rotate to unlatch, with yellow backing plate, without inscription, with holder, 1 NC, 1 NC, spring-loaded terminal, front plate mounting

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 	3SU1400-1AA10-3CA0		
 of supplied contact module at position 2 	3SU1400-1AA10-3CA0		
 of the supplied holder 	3SU1550-0AA10-0AA0		
 of the supplied actuator 	3SU1000-1HB20-0AA0		
 of supplied accessory 	3SU1900-0BC31-0AA0		
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	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)		
	IP20		
protection class IP of the terminal	11 20		
protection class IP of the terminal degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13		
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degree of protection NEMA rating			
degree of protection NEMA rating shock resistance	1, 2, 3, 3R, 4, 4X, 12, 13		
degree of protection NEMA rating shock resistance • according to IEC 60068-2-27	1, 2, 3, 3R, 4, 4X, 12, 13		
degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance	1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms		
degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6	1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms 10 500 Hz: 5g		

	200 000	
electrical endurance (operating cycles) typical	300 000	
thermal current	10 A	
reference code according to IEC 81346-2	§	
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	
Weight	94 g	
operating voltage		
• at AC	5 500 //	
— 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	0 1 1 10 10 10 10 10 10 10 10 10 10 10 1	
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	Spring-type terminal	
type of connectable conductor cross-sections	Spring type torrinia	
solid without core end 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		
product function suitable for safety function	Yes	
service life maximum	20 a	
test wear-related service life necessary	Yes	
proportion of dangerous failures	100	
with low demand rate according to SN 31920	20 %	
with high demand rate according to SN 31920	20 %	
B10 value with high demand rate according to SN 31920	100 000	
failure rate [FIT] with low demand rate according to SN	100 FIT	
31920	100111	
ISO 13849		
device type according to ISO 13849-1	3	
IEC 61508		
safety device type according to IEC 61508-2	Type A	
T1 value for proof test interval or service life according to IEC	20 a	
61508 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	
Siemens Eco Profile (SEP)	Siemens EcoTech	
Installation/ mounting/ dimensions		
fastening method	front plate mounting	
of modules and accessories	Front plate mounting	
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height	40 mm	
width	30 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	46.4 mm	
installation width	75 mm	
installation depth	48.6 mm	
Accessories		
number of backing plates	1	
color of backing plate	Yellow	
Approvals Certificates		
General Product Approval		Test Certificates











Special Test Certificate

Test Certificates

other

Environment

Type Test Certificates/Test Report

Confirmation







Environmental Confirmations

Further information

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=3SU1100-1HB20-3PF0

Cax online generator

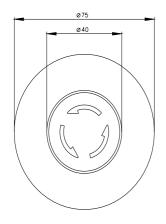
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-3PF0

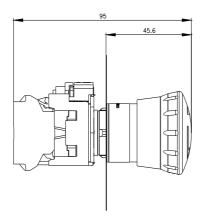
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

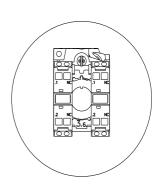
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-3PF0

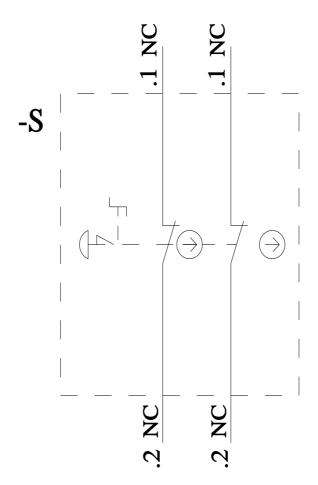
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-3PF0&lang=en









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