3SU1100-1BA20-3CA0

Data sheet



Mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, latching, pull-to-unlatch mechanism, with holder, 1 NC, Spring-type terminal

product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
design of the product	Complete unit
product type designation	3SU1
product type designation	Plastic, black, 22 mm
manufacturer's article number	Fidatio, Didon, 22 min
of supplied contact module at position 1	3SU1400-1AA10-3CA0
of the supplied holder	3SU1550-0AA10-0AA0
of the supplied notice! of the supplied actuator	3SU1000-1BA20-0AA0
Enclosure	350 1000-1BA20-0AA0
number of command points	1
Actuator	
	latabina
principle of operation of the actuating element	latching
product extension optional light source	No and
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
number of switching positions	2
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
Display	
number of LEDs	0
General technical data	
product function	
positive opening	Yes
 EMERGENCY OFF function 	No
EMERGENCY STOP function	No
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	1 800 1/h	
mechanical service life (operating cycles) typical	500 000	
electrical endurance (operating cycles) typical	10 000 000	
thermal current	10 A	
reference code according to IEC 81346-2	P	
continuous current of the C characteristic MCB		
	10 A; for a short-circuit current smaller than 400 A 10 A	
continuous current of the Quick DIAZED fuse link		
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 mal (5 V, 1 mA)	operation per 10 million
Auxiliary circuit	X /	
design of the contact of auxiliary contacts	Silver alloy	
number of NC contacts for auxiliary contacts	1	
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		
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	
Ambient conditions	1 1.2 IV III	_
ambient temperature	05 .70 %0	
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 condensation in operation permitted for all devices behin	,
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		
of modules and accessories	Front plate mounting	
height	40 mm	
width	40 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	27.5 mm	
installation width	40 mm	
installation depth	49.7 mm	
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=3SU1100-1BA20-3CA0

Cax online generator

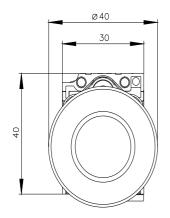
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-1BA20-3CA0}$

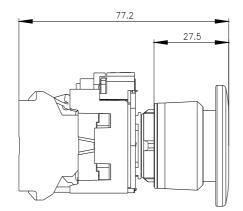
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

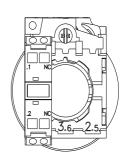
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1BA20-3CA0

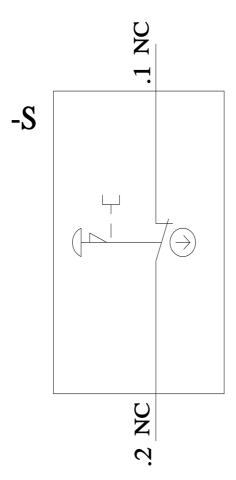
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1BA20-3CA0&lang=en









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