## SIEMENS

## Data sheet

## 3SU1100-1BA20-1FA0



Mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, latching, pull-to-unlatch mechanism, with holder, 1 NO+1 NC, screw terminal

product brand name	SIRIUS ACT				
product designation	Mushroom pushbuttons				
design of the product	Complete unit				
product type designation	3SU1				
product line	Plastic, black, 22 mm				
manufacturer's article number					
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1FA0</u>				
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>				
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-1BA20-0AA0</u>				
Enclosure					
number of command points	1				
Actuator					
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				
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, clamping screw tightened
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	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	Р
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	
	One malaparation per 100 million (17 \/ E mA) are malaparation are 40 million
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	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )
<ul> <li>for AWG cables</li> </ul>	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	
ambient temperature	
-	25 ±70 °C
during operation	-25 +70 °C -40 +80 °C
• during storage	
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
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	71.7 mm
Approvals Certificates	

General Product App	roval				Declaration of Con- formity
	<u>Confirmation</u>			EHC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyds Register LRS	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	Environmental Con- firmations			

## 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=3SU1100-1BA20-1FA0

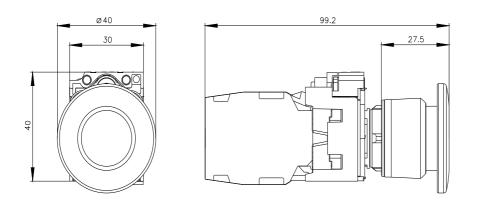
Cax online generator

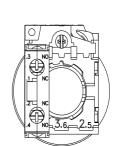
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1BA20-1FA0

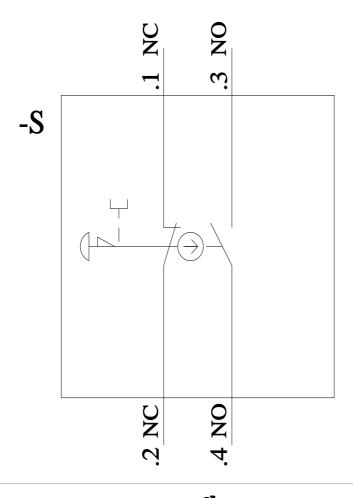
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1BA20-1FA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-1BA20-1FA0&lang=en







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