SIEMENS

Data sheet 3SU1150-0BB20-3CA0

Pushbutton, 22 mm, round, metal, shiny, red, pushbutton, raised, momentary contact type, with holder, 1 NC, Spring-type terminal

Product brand name	SIRIUS ACT
Product designation	Pushbuttons
Design of the product	Complete unit
Product type designation	3SU1
Manufacturer's article number	
• 1 of supplied contact module	3SU1400-1AA10-3CA0
• of the supplied holder	3SU1550-0AA10-0AA0
• of the supplied actuator	3SU1050-0BB20-0AA0
Number of command points	1

Actuator	
Design of the operating mechanism	Button, raised
Manner of function of the actuating element	momentary contact type
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	29.45 mm
Number of contact modules	1

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Front ring	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	Metal, high gloss
Color of the front ring	silver

Holder	
Material of the holder	Metal

Display	
Number of LED modules	0

General technical data	
Product function	
• positive opening	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	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
Operating frequency maximum	3 600 1/h
Mechanical service life (switching cycles)	
• typical	10 000 000
Electrical endurance (switching cycles)	
• typical	10 000 000
Thermal current	10 A
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	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
Operating voltage	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC	

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— 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	0
Number of CO 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)
• at AWG conductors	2x (24 ... 16)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. 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)

Installation/ mounting/ dimensions

Mounting type	front mounting
• of modules and accessories	Front plate mounting
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	16.2 mm
Installation width	29.5 mm
Installation depth	49.7 mm

Certificates/approvals

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General Product Approval				Declaration of Conformity
CCC	CSA	UL	EAC	EG-Konf.

Miscellaneous

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report	ABS	LRS	PRS	RINA	RMRS

Marine / Shipping	other
DNV·GL DNVGL.COM/AF	Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-0BB20-3CA0

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0BB20-3CA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0BB20-3CA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-0BB20-3CA0&lang=en

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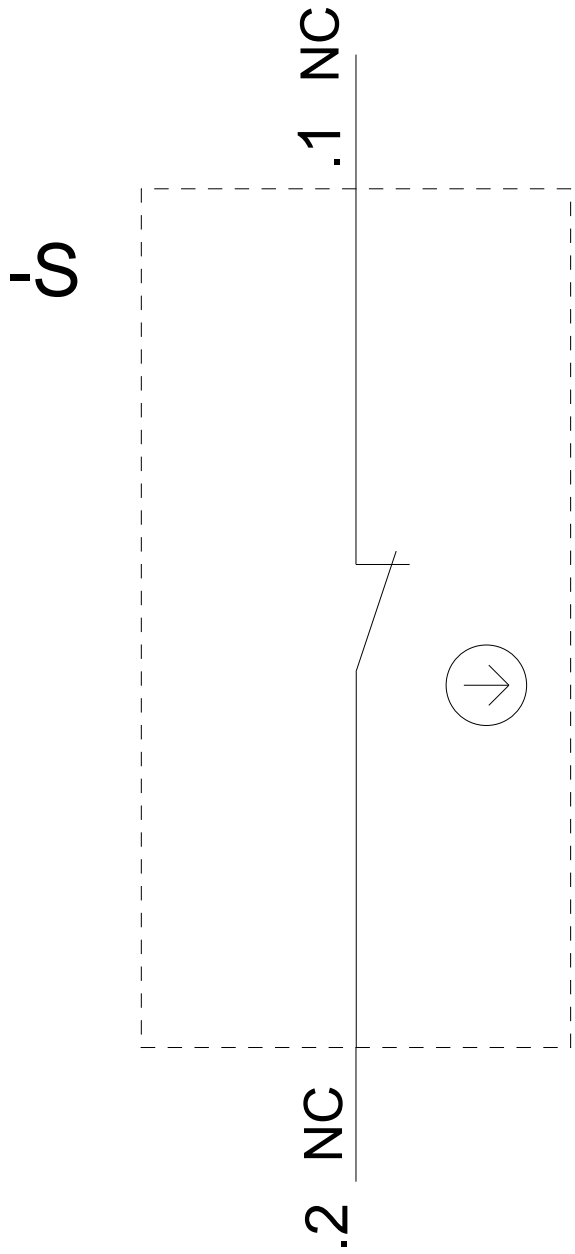

last modified: 09/12/2019

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