



Mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, latching, pull-to-unlatch mechanism, with holder, 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	
• of supplied contact module at position 1	3SU1400-1AA10-1CA0
• of the supplied holder	3SU1550-0AA10-0AA0
• of the supplied actuator	3SU1000-1BA20-0AA0

Enclosure

number of command points	1
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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
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Display

number of LEDs	0
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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 • for railway applications according to EN 61373	sinusoidal half-wave 15g / 11 ms Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6 • for railway applications according to EN 61373	10 ... 500 Hz: 5g Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (switching cycles) typical	500 000
electrical endurance (switching 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
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 — at 60 Hz rated value • at DC rated value	5 ... 500 V 5 ... 500 V 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
Connections/ Terminals	
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
• solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1.0 ... 1.5 mm ²) 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	
• during operation • during storage	-25 ... +70 °C -40 ... +80 °C
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)
Installation/ mounting/ dimensions	
fastening method	Front plate mounting
• of modules and accessories	
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
Certificates/ approvals	
General Product Approval	Declaration of Conformity



[Confirmation](#)



Declaration of
Conformity

Test Certificates

Marine / Shipping



EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



LRS



PRS

Marine / Shipping

other



RINA



RMRS

[Confirmation](#)

[Environmental Confirmations](#)

Further information

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=3SU1100-1BA20-1CA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1BA20-1CA0>

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

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

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

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



