



Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder, 1 NC, LED module with integrated LED 24 V AC/DC, screw terminal

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul style="list-style-type: none"> • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied actuator 	3SU1400-1AA10-1CA0 3SU1401-1BB20-1AA0 3SU1550-0AA10-0AA0 3SU1001-0AB20-0AA0
number of command points	1

Actuator

design of the actuating element	Button, flat
principle of operation of the actuating element	momentary contact type
product extension optional light source	Yes
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

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 LED modules	1
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General technical data

product function positive opening	Yes
product component light source	Yes
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	4 kV
protection class IP	IP66, IP67, IP69(IP69K)
<ul style="list-style-type: none"> • of the terminal 	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
<ul style="list-style-type: none"> • according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms

- for railway applications according to EN 61373
- vibration resistance**
- according to IEC 60068-2-6
 - for railway applications according to EN 61373
- operating frequency maximum**
- mechanical service life (operating cycles) typical**
- electrical endurance (operating cycles) typical**
- thermal current**
- reference code according to IEC 81346-2**
- continuous current of the C characteristic MCB**
- continuous current of the quick DIAZED fuse link**
- continuous current of the DIAZED fuse link gG**
- Substance Prohibitance (Date)**
- operating voltage**
- at AC
 - at 50 Hz rated value
 - at 60 Hz rated value
 - at DC rated value

Category 1, Class B
10 ... 500 Hz: 5g
Category 1, Class B
3 600 1/h
3 000 000
10 000 000
10 A
S
10 A; for a short-circuit current smaller than 400 A
10 A
10 A
10/01/2014
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)
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Supply voltage

type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
supply voltage 1 of the light source at DC rated value	24 V

Control circuit/ Control

inrush current of LED module maximum	2 A
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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	screw-type terminals
• of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm ²)
• solid without core end processing	2x (1.0 ... 1.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• at AWG cables	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

Lamp

type of light source	LED
color of the light source	red
light intensity	450 ... 1 120 mcd

Ambient conditions

ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 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	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	11 mm
installation width	29.5 mm
installation depth	49.7 mm

Certificates/ approvals

General Product Approval

Declaration of Conformity



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



EG-Konf.

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS

Marine / Shipping

other

Environment



RINA

[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=3SU1102-0AB20-1CA0>

Cax online generator

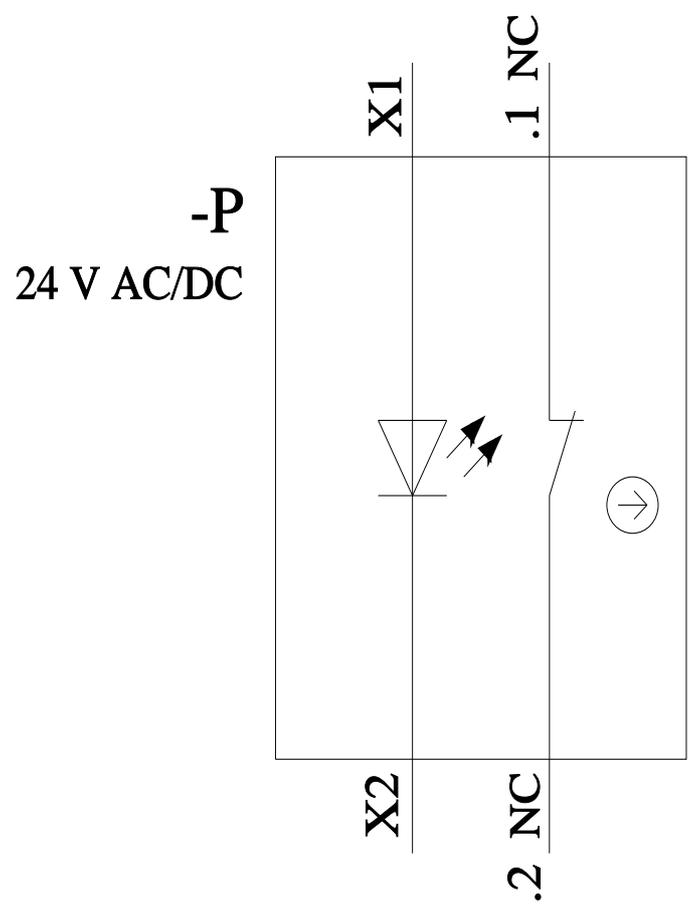
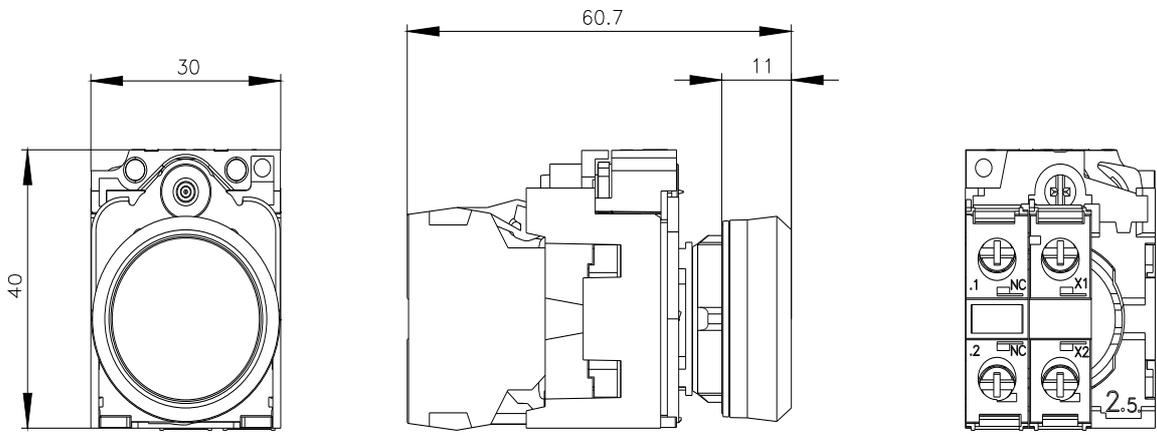
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB20-1CA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB20-1CA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB20-1CA0&lang=en



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