



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+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 	3SU1400-1AA10-1FA0 3SU1401-1BB60-1AA0 3SU1550-0AA10-0AA0 3SU1001-0AB70-0AA0
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	clear
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, clamping screw tightened
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)

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

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 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 mm²)
- solid without core end processing 2x (1.0 ... 1.5 mm²)
- finely stranded with core end processing 2x (0.5 ... 1.5 mm²)
- finely stranded without core end processing 2x (1,0 ... 1,5 mm²)
- 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 white

light intensity 900 ... 1 400 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	71.7 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



RINA



RMRS

[Environmental Confirmations](#)

[Confirmation](#)

Further information

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=3SU1102-0AB70-1FA0>

Cax online generator

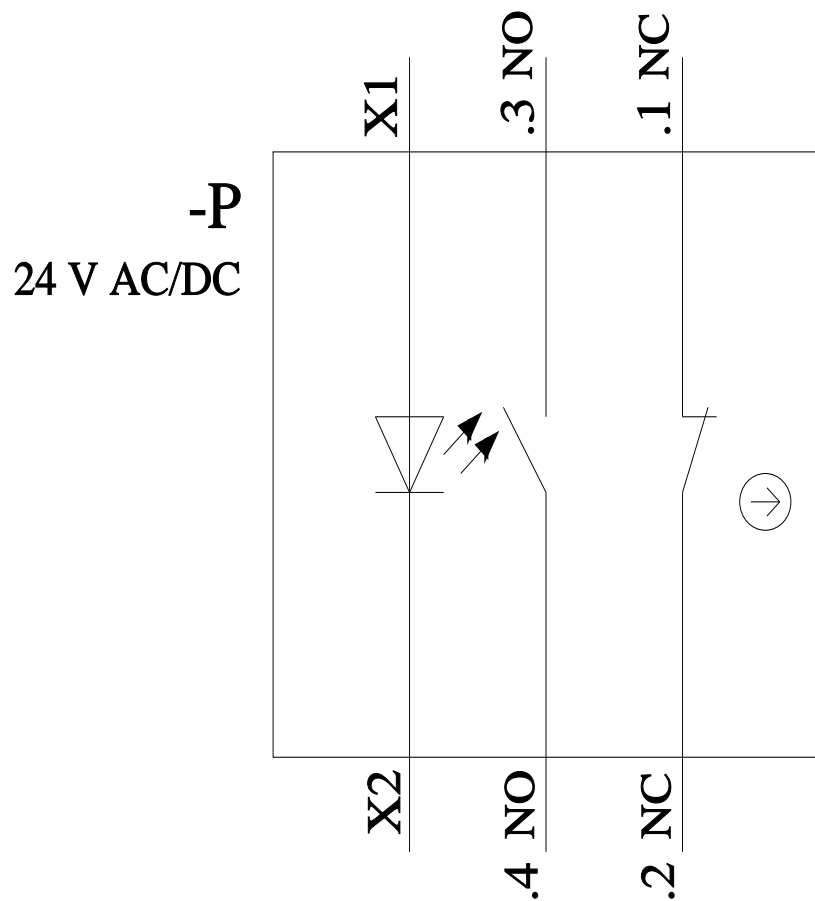
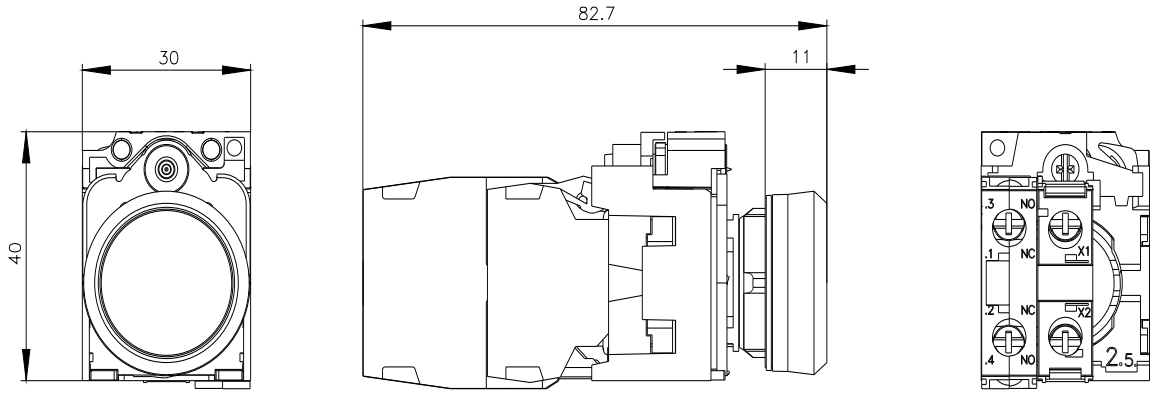
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB70-1FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB70-1FA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB70-1FA0&lang=en



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1/26/2022

