



Illuminated pushbutton, 22 mm, round, plastic, blue, 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

- of supplied contact module at position 1
- of supplied LED module
- of the supplied holder
- of the supplied actuator

[3SU1400-1AA10-1FA0](#)
[3SU1401-1BB50-1AA0](#)
[3SU1550-0AA10-0AA0](#)
[3SU1001-0AB50-0AA0](#)

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

blue

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

Display

number of LED modules

1

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)

- of the terminal

IP20, clamping screw tightened

degree of protection NEMA rating

1, 2, 3, 3R, 4, 4X, 12, 13

shock resistance

- according to IEC 60068-2-27

sinusoidal half-wave 15g / 11 ms

• for railway applications according to EN 61373	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	3 600 1/h
mechanical service life (switching cycles) typical	3 000 000
electrical endurance (switching cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	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
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)
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 • at 60 Hz rated value	24 V 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 • 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
Lamp	
type of light source	LED
color of the light source	blue
light intensity	280 ... 710 mcd
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, 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](#)



EG-Konf.

Declaration of Conformity

Test Certificates

Marine / Shipping



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS

Marine / Shipping

other



RINA



RMRS

[Environmental Confirmations](#)

[Confirmation](#)

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=3SU1102-0AB50-1FA0>

Cax online generator

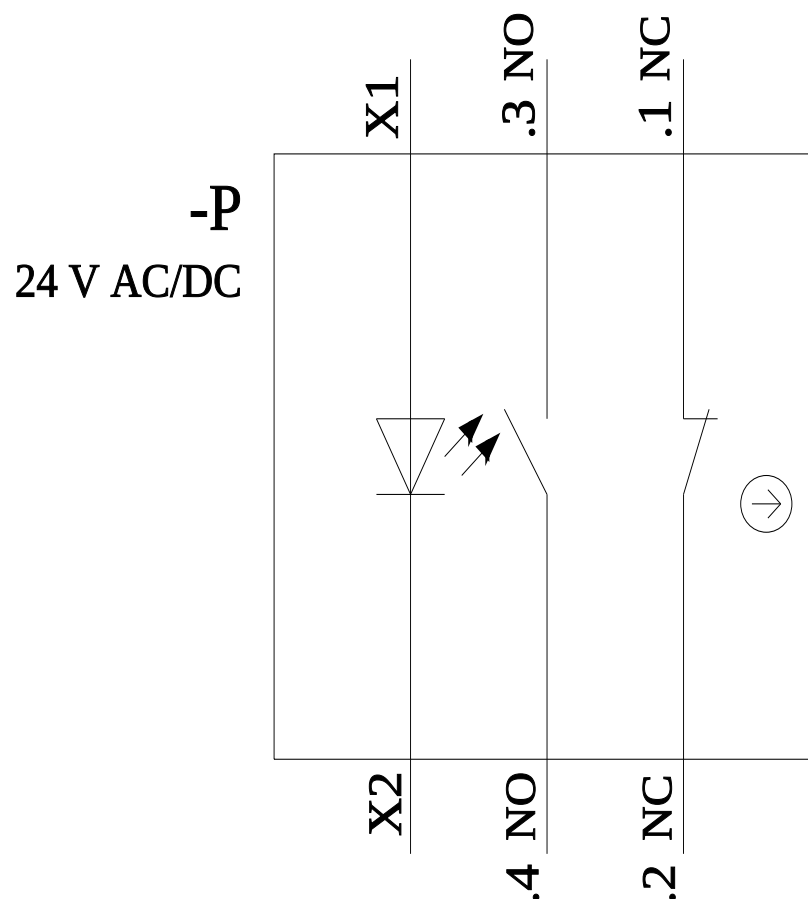
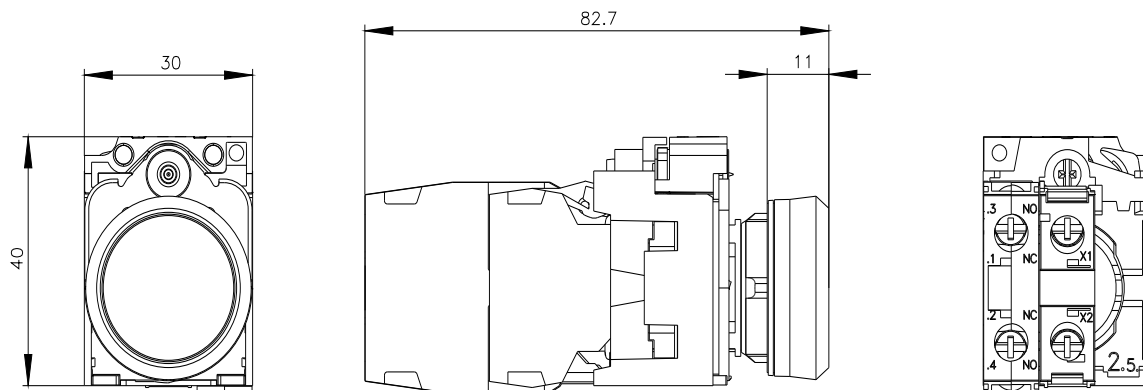
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB50-1FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB50-1FA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB50-1FA0&lang=en



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