

Illuminated pushbutton, 22 mm, round, plastic with metal front ring, green, pushbutton, flat, momentary contact type, with holder, 1 NO, 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 with metal front ring, matt, 22 mm
- Manufacturer's article number 1 of supplied contact module - Manufacturer's article number of supplied LED module - Manufacturer's article number of the supplied holder - Manufacturer's article number of the supplied actuator	3SU1400-1AA10-1BA0 3SU1401-1BB40-1AA0 3SU1500-0AA10-0AA0 3SU1031-0AB40-0AA0
Number of command points	1
Actuator	
design of the operating mechanism	Button, flat
manner of function of the actuating element	momentary contact type
product extension optional light source	Yes
color of the actuating element	green

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	Metal, matt
color of the front ring	sand gray

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	No
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
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
Shock resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
vibration resistance acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
Vibration resistance for railway applications acc. to DIN EN 61373	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 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

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— operating voltage at AC at 50 Hz rated value	5 ... 500 V
— operating voltage at AC at 60 Hz rated value	5 ... 500 V
• operating voltage at DC	
— 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)
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Supply voltage

• type of voltage of the supply voltage of the light source	AC/DC
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Supply voltage of the light source at AC

• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V

Supply voltage of the light source at DC

• rated value	24 V
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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	0
• number of NO contacts for auxiliary contacts	1

Connections/ Terminals

• Type of electrical connection 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)
• Type of connectable conductor cross-sections solid without core end processing	2x (1.0 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• type of connectable conductor cross-sections at AWG conductors	2x (18 ... 14)

Tightening torque of the screws in the bracket

• tightening torque with screw-type terminals	1 ... 1.2 N·m 0.8 ... 0.9 N·m
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Lamp

type of light source	LED
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color of the light source	green
Light intensity	900 ... 1 800 mcd

Ambient conditions	
• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-40 ... +80 °C
Environmental category during operation acc. 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	
• mounting type	front panel mounting
• Mounting type 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	
 CCC	 CSA	 UL	 EAC	 EG-Konf.	Miscellaneous

Test Certificates		Marine / Shipping			
Special Test Certificate	Type Test Certificates/Test Report	 ABS	 LRS	 PRS	 RINA

Marine / Shipping	other
 RMRS	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=3SU1132-0AB40-1BA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB40-1BA0>

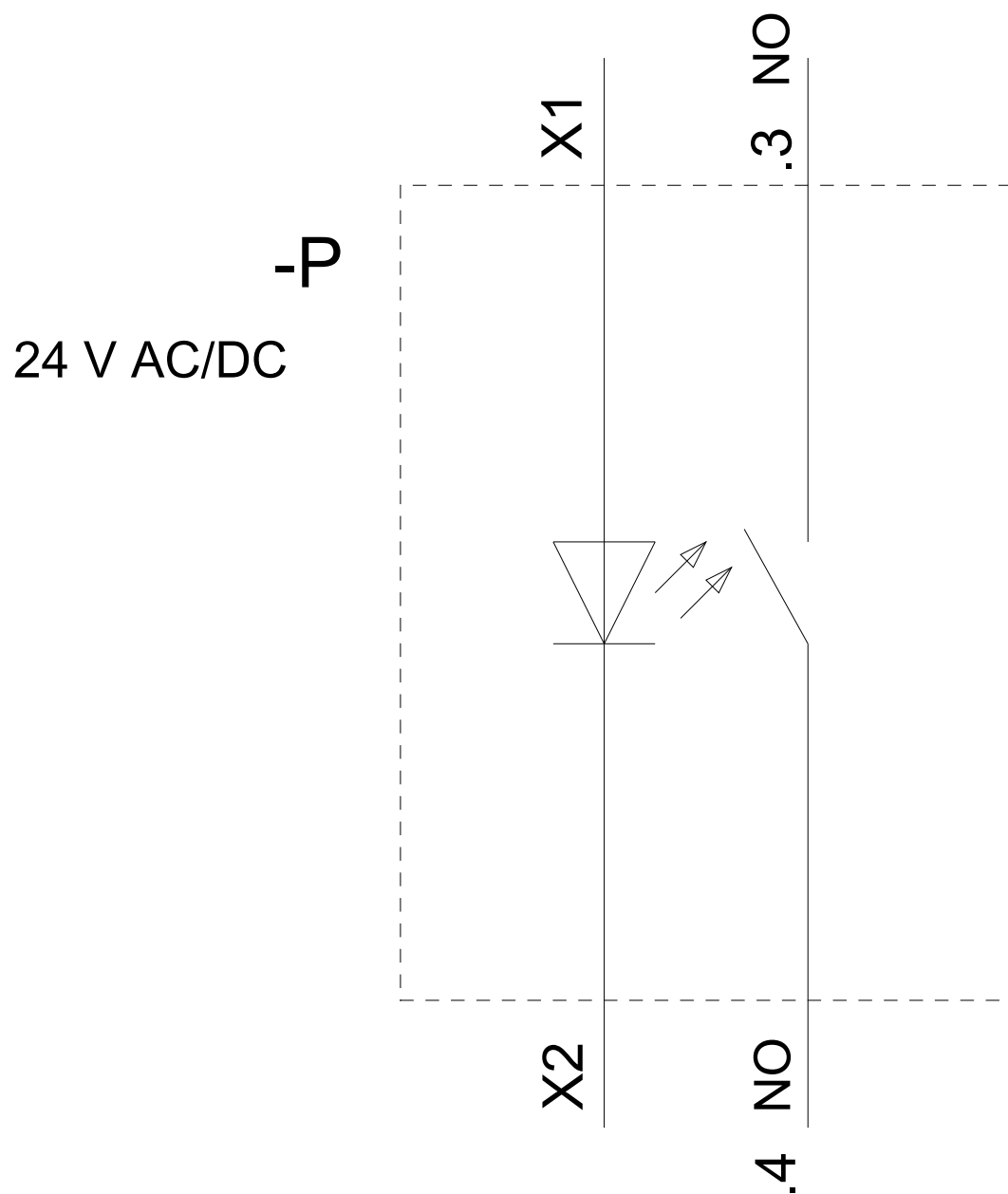
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB40-1BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1132-0AB40-1BA0&lang=en





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