

Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 110 V AC, screw terminal



Product brand name	SIRIUS ACT
Product designation	Illuminated pushbuttons
Design of the product	Complete unit
Product type designation	3SU1
Manufacturer's article number • 1 of supplied contact module • of supplied LED module • of the supplied holder • of the supplied actuator	3SU1400-1AA10-1BA0 3SU1401-1BC60-1AA0 3SU1500-0AA10-0AA0 3SU1001-0AB70-0AA0
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	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
Display	
Number of LED modules	1
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	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• 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

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	AC
• of the light source	AC
Supply voltage of the light source at AC	
• at 50 Hz rated value • at 60 Hz rated value	110 V 110 V
Control circuit/ Control	
Inrush current of LED module maximum	3 A
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 • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors	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	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 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 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



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

[Confirmation](#)



Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1103-0AB70-1BA0>

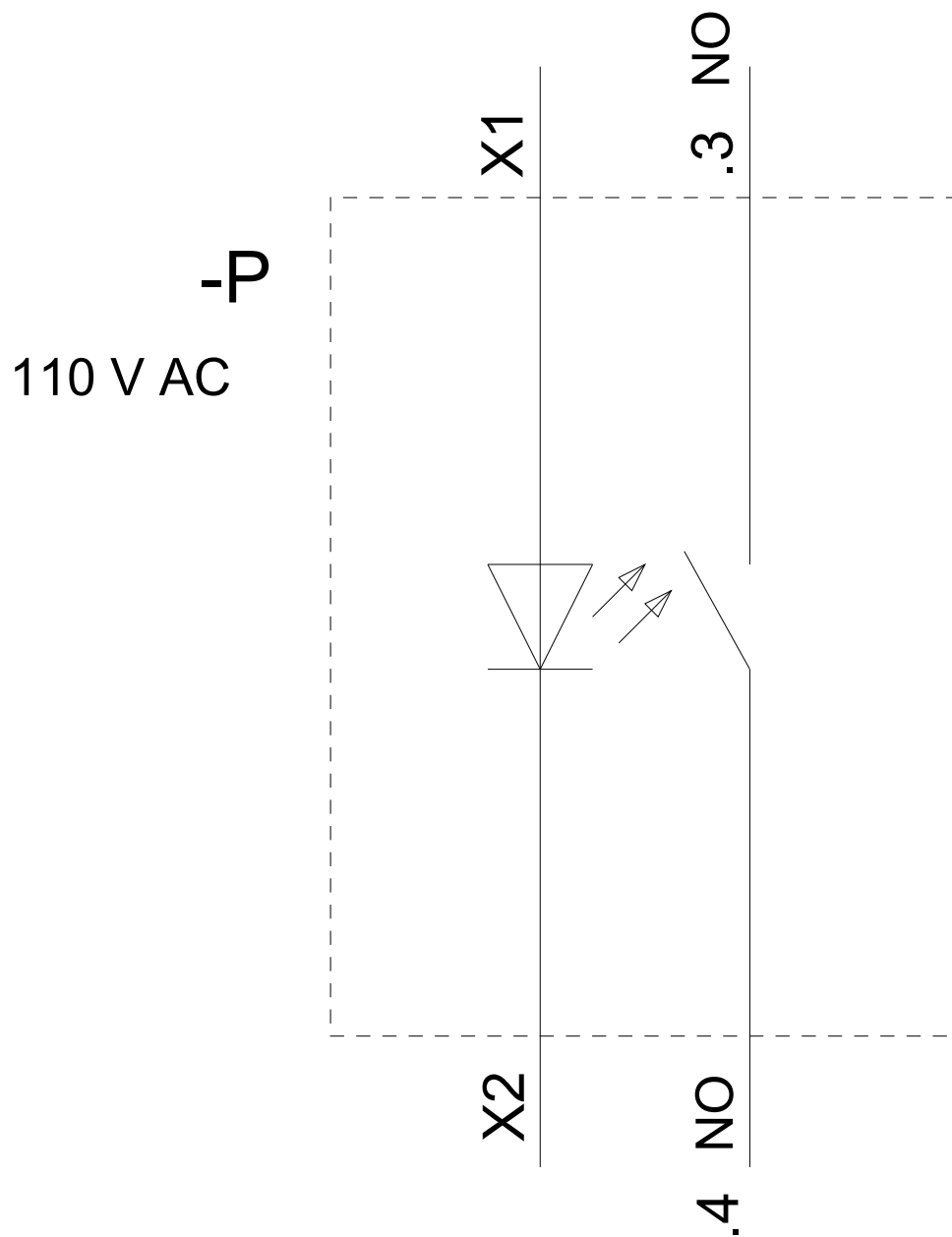
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB70-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB70-1BA0>





last modified:

11/13/2019