

Illuminated pushbutton, 22 mm, round, metal, shiny, clear, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 24 V AC/DC, screw terminal, Z=20-unit packaging



<b>Product brand name</b>	SIRIUS ACT
<b>Product designation</b>	Illuminated pushbuttons
<b>Design of the product</b>	Complete unit
<b>Product type designation</b>	3SU1
<b>Product line</b>	Metal, shiny, 22 mm
<b>Manufacturer's article number</b>	<ul style="list-style-type: none"> <li>• 1 of supplied contact module <a href="#">3SU1400-1AA10-1BA0</a></li> <li>• of supplied LED module <a href="#">3SU1401-1BB60-1AA0</a></li> <li>• of the supplied holder <a href="#">3SU1550-0AA10-0AA0</a></li> <li>• of the supplied actuator <a href="#">3SU1051-0AB70-0AA0</a></li> </ul>
<b>Number of command points</b>	1

Actuator	
<b>Design of the operating mechanism</b>	Button, flat
<b>Manner of function of the actuating element</b>	momentary contact type
<b>Product extension optional Light source</b>	Yes
<b>Color</b>	
• of the actuating element	clear
<b>Material of the actuating element</b>	plastic
<b>Shape of the actuating element</b>	round

Outer diameter of the actuating element	29.45 mm
Number of contact modules	1
<b>Front ring</b>	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	Metal, high gloss
Color of the front ring	silver
<b>Holder</b>	
Material of the holder	Metal
<b>Display</b>	
Number of LED modules	1
<b>General technical data</b>	
<b>Product function</b>	
• positive opening	No
<b>Product component</b>	
• Light source	Yes
<b>Insulation voltage</b>	
• rated value	320 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	AC/DC
<b>Surge voltage resistance rated value</b>	4 kV
<b>Protection class IP</b>	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
<b>Degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>Shock resistance</b>	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
<b>Vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
<b>Operating frequency maximum</b>	3 600 1/h
<b>Mechanical service life (switching cycles)</b>	
• typical	3 000 000
<b>Electrical endurance (switching cycles)</b>	
• typical	10 000 000
<b>Thermal current</b>	10 A
<b>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</b>	S
<b>Continuous current of the C characteristic MCB</b>	10 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the quick DIAZED fuse link</b>	10 A
<b>Continuous current of the DIAZED fuse link gG</b>	10 A
<b>Operating voltage</b>	

• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC	
— rated value	5 ... 500 V

### Power Electronics

<b>Contact reliability</b>	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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### Supply voltage

<b>Type of voltage of the supply voltage</b>	
• of the light source	AC/DC
<b>Supply voltage of the light source at AC</b>	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
<b>Supply voltage of the light source at DC</b>	
• rated value	24 V

### Control circuit/ Control

<b>Inrush current of LED module maximum</b>	2 A
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### Auxiliary circuit

<b>Design of the contact of auxiliary contacts</b>	Silver alloy
<b>Number of NC contacts for auxiliary contacts</b>	0
<b>Number of NO contacts for auxiliary contacts</b>	1

### Connections/ Terminals

<b>Type of electrical connection</b>	
• of modules and accessories	Screw-type terminal
<b>Type of connectable conductor cross-sections</b>	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	2x (1,0 ... 1,5 mm <sup>2</sup> )
• at AWG conductors	2x (18 ... 14)
<b>Tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
<b>Tightening torque</b>	
• with screw-type terminals	0.8 ... 0.9 N·m

### Lamp

<b>Type of light source</b>	LED
<b>Color of the light source</b>	white
<b>Light intensity</b>	900 ... 1 400 mcd

### Ambient conditions

<b>Ambient temperature</b>	
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- during operation
- during storage

-25 ... +70 °C

-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

<b>Mounting type</b>	front panel mounting
• of modules and accessories	Front plate mounting
<b>Height</b>	40 mm
<b>Width</b>	30 mm
<b>Shape of the installation opening</b>	round
<b>Mounting diameter</b>	22.3 mm
<b>Positive tolerance of installation diameter</b>	0.4 mm
<b>Mounting height</b>	11 mm
<b>Installation width</b>	29.5 mm
<b>Installation depth</b>	49.7 mm

### Certificates/ approvals

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

CSA

UL

EG-Konf.

<b>Test Certificates</b>	<b>Marine / Shipping</b>
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[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

<b>Marine / Shipping</b>	<b>other</b>
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DNV-GL  
DNVGL.COM/AF

[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=3SU1152-0AB70-1BA0-Z X90>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB70-1BA0-Z X90>

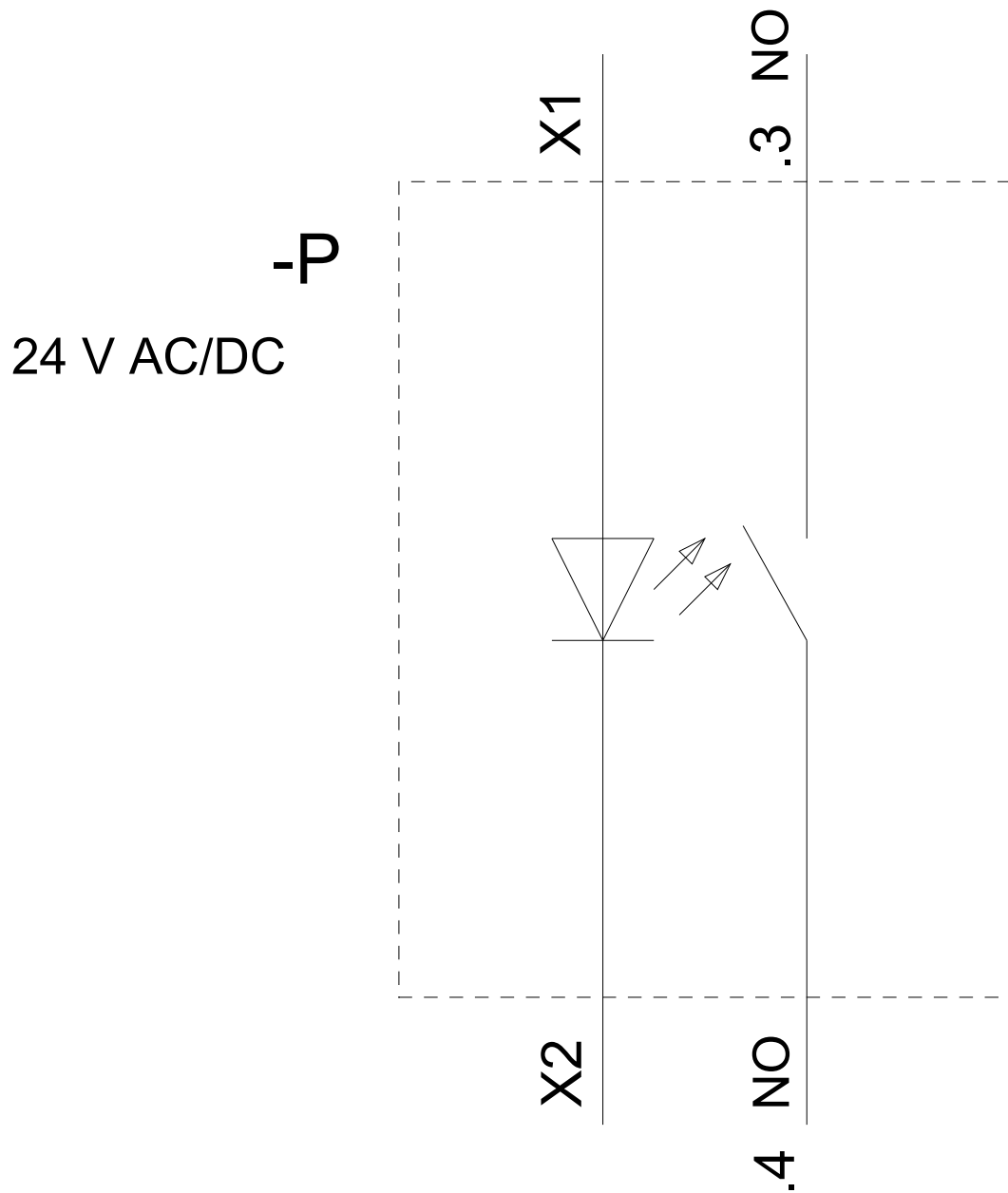
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB70-1BA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1152-0AB70-1BA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1152-0AB70-1BA0-Z X90&lang=en)





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