

Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder, 1NC, LED module with integrated LED 24 V AC/DC, spring-type terminal, with laser labeling, upper case



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| 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"> • 1 of supplied contact module • of supplied LED module • of the supplied holder • of the supplied actuator | 3SU1400-1AA10-3CA0 3SU1401-1BB20-3AA0 3SU1500-0AA10-0AA0 3SU1001-0AB20-0AA0 |
| 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 | |
| <ul style="list-style-type: none"> • of the actuating element | red |
| Material of the actuating element | plastic |
| Shape of the actuating element | round |

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| Outer diameter of the actuating element | 29.45 mm |
| Marking of the actuating element | Any inscription, text in upper case |
| Number of contact modules | 1 |

Front ring

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| Product component front ring | Yes |
| Design of the front ring | Standard |
| Material of the front ring | plastic |
| Color of the front ring | black |

Holder

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| Material of the holder | Plastic |
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Display

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| Number of LED modules | 1 |
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General technical data

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| 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 |
| Degree of protection NEMA rating | 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 |

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| Continuous current of the quick DIAZED fuse link | 10 A |
| Continuous current of the DIAZED fuse link gG | 10 A |
| Operating voltage | |
| <ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value • at DC <ul style="list-style-type: none"> — rated value | 5 ... 500 V 5 ... 500 V 5 ... 500 V |

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| 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 | |
| <ul style="list-style-type: none"> • of the light source | AC/DC |
| Supply voltage of the light source at AC | |
| <ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value | 24 V 24 V |
| Supply voltage of the light source at DC | |
| <ul style="list-style-type: none"> • 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 | 1 |
| Number of NO contacts for auxiliary contacts | 0 |

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| Connections/ Terminals | |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • of modules and accessories | Spring-type terminal |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors | 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 0.75 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 16) |
| Tightening torque of the screws in the bracket | 1 ... 1.2 N·m |

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| Lamp | |
| Type of light source | LED |
| Color of the light source | red |
| Light intensity | 450 ... 1 120 mcd |

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| Ambient conditions | |
| Ambient temperature | |

- 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

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| Mounting type | front panel mounting |
| <ul style="list-style-type: none"> • 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

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| General Product Approval | Declaration of Conformity | Test Certificates |
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

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| Test Certificates | Marine / Shipping |
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[Special Test Certificate](#)



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| Marine / Shipping | other |
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[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=3SU1102-0AB20-3CA0-Z Y11>

Cax online generator

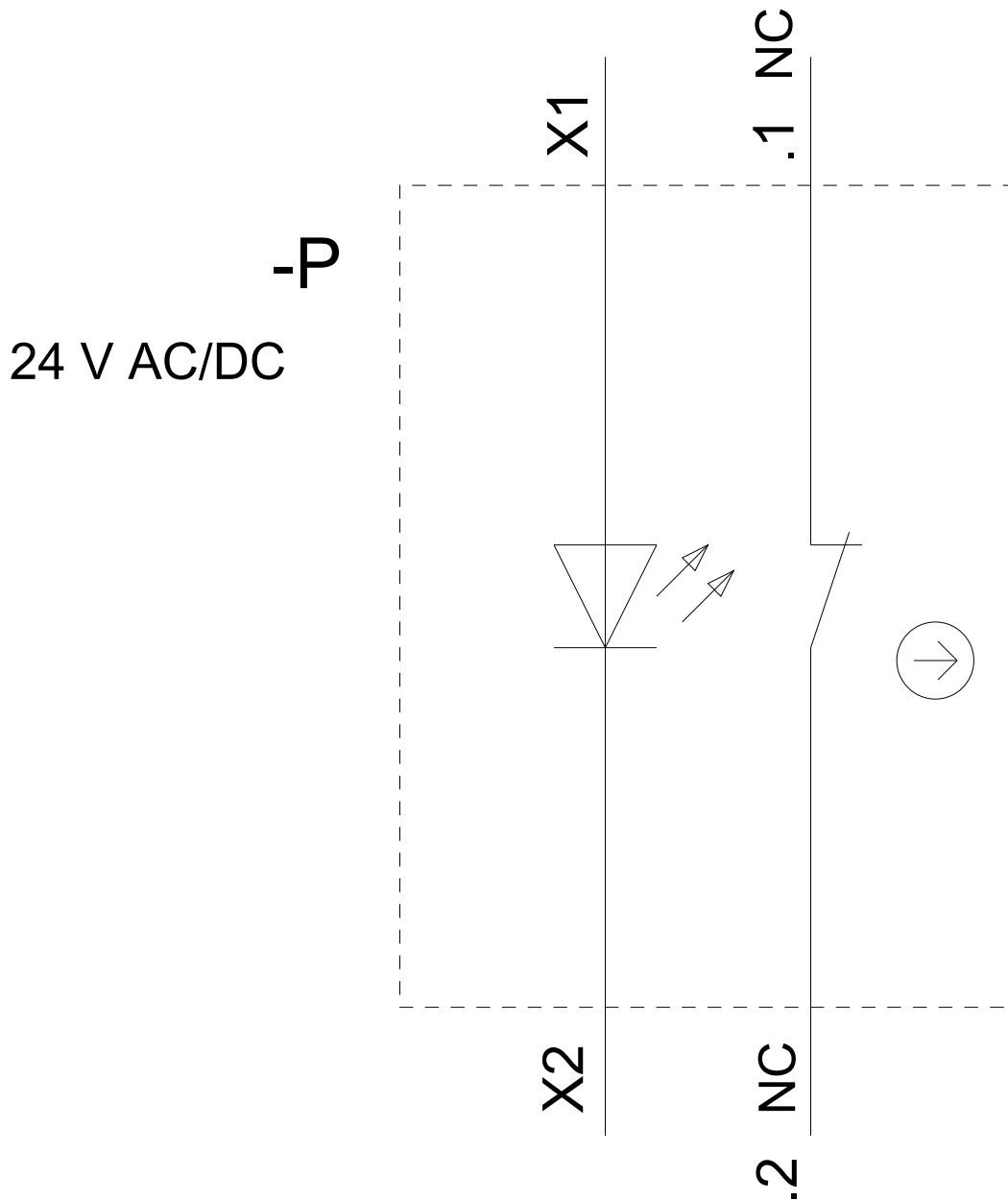
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB20-3CA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB20-3CA0-Z Y11>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB20-3CA0-Z Y11&lang=en



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