# SIEMENS

Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, spring-type terminal, with laser labeling, lower 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 | |
| ● of supplied contact module at position 1 | 3SU1400-1AA10-3FA0 |
| ● of supplied LED module | 3SU1401-1BC20-3AA0 |
| ● of the supplied holder | 3SU1550-0AA10-0AA0 |
| ● of the supplied actuator | 3SU1001-0AB20-0AA0 |
| 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 | red |
| material of the actuating element | plastic |
| shape of the actuating element | round |
| outer diameter of the actuating element | 29.45 mm |
| marking of the actuating element | Customized labeling, text in lower case letters |
| 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 |

7/9/2022

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| **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 | 10 ... 500 Hz: 5g |
| ● for railway applications according to 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 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 | 5 ... 500 V |
| — at 60 Hz rated value | 5 ... 500 V |
| ● at DC rated value | 5 ... 500 V |

## Power Electronics

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| **contact reliability** | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |

## Supply voltage

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|---|---|
| type of voltage of the supply voltage of the light source | AC |
| **supply voltage of the light source at AC** | |
| ● at 50 Hz rated value | 110 V |
| ● at 60 Hz rated value | 110 V |

## Control circuit/ Control

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| **inrush current of LED module maximum** | 3 A |

## Auxiliary circuit

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| **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

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|---|---|
| **type of electrical connection** | spring-loaded terminals |
| ● of modules and accessories | Spring-type terminal |
| **type of connectable conductor cross-sections** | |
| ● solid without core end processing | 2x (0.25 ... 1.5 mm²) |
| ● finely stranded with core end processing | 2x (0.25 ... 0.75 mm²) |
| ● finely stranded without core end processing | 2x (0.25 ... 1.5 mm²) |
| ● at AWG cables | 2x (24 ... 16) |
| **tightening torque of the screws in the bracket** | 1 ... 1.2 N·m |

## Lamp

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|---|---|
| **type of light source** | LED |
| **color of the light source** | red |
| **light intensity** | 450 ... 1 120 mcd |

## Ambient conditions

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|---|---|
| **ambient temperature** | |
| ● during operation | -25 ... +70 °C |
| ● during storage | -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

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| **fastening method** | front plate mounting |
| ● of modules and accessories | Front plate mounting |
| **height** | 40 mm |
| **width** | 30 mm |

7/9/2022

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|---|---|
| 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**

**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=3SU1103-0AB20-3FA0-Z Y12
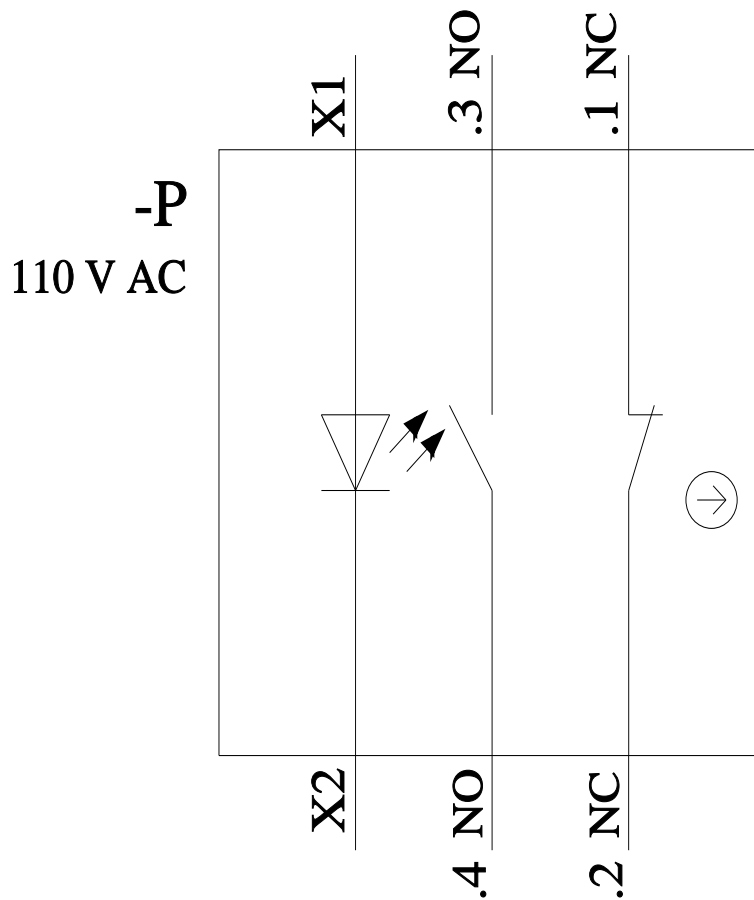**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB20-3FA0-Z Y12
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB20-3FA0-Z Y12
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-0AB20-3FA0-Z Y12&lang=en



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