# SIEMENS

**Data sheet**                                                      **3SU1100-1BA20-3CA0-Z Y15**

Mushroom pushbutton, 22 mm, round, plastic, red, 40mm, latching, pull-to-unlatch mechanism, with holder, 1 NC, spring-type terminal, with laser labeling, upper case and lower case, always upper case at the beginning of the word

| | |
|---|---|
| product brand name | SIRIUS ACT |
| product designation | Mushroom 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 | 3SU1400-1AA10-3CA0 |
| ● of the supplied holder | 3SU1500-0AA10-0AA0 |
| ● of the supplied actuator | 3SU1000-1BA20-0AA0 |

| Enclosure | |
|---|---|
| number of command points | 1 |

| Actuator | |
|---|---|
| principle of operation of the actuating element | latching |
| product extension optional light source | No |
| color of the actuating element | red |
| material of the actuating element | plastic |
| shape of the actuating element | round |
| outer diameter of the actuating element | 40 mm |
| marking of the actuating element | Any inscription, text in upper/lower case, all words begin with upper case letters |
| number of contact modules | 1 |
| type of unlocking device | pull-to-unlatch mechanism |
| number of switching positions | 2 |

| 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 LEDs | 0 |

| General technical data | |
|---|---|
| product function | |
| ● positive opening | Yes |
| ● EMERGENCY OFF function | No |
| ● EMERGENCY STOP function | No |

| | |
|---|---|
| product component light source | No |
| insulation voltage rated value | 500 V |
| **degree of pollution** | 3 |
| type of voltage of the operating voltage | AC/DC |
| **surge voltage resistance rated value** | 6 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 |
| ● 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** | 1 800 1/h |
| mechanical service life (switching cycles) typical | 500 000 |
| electrical endurance (switching cycles) typical | 10 000 000 |
| **thermal current** | 10 A |
| **reference code acc. to IEC 81346-2** | P |
| **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 | 5 ... 500 V |
| — at 60 Hz rated value | 5 ... 500 V |
| ● operating voltage 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) |

## 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 |

## Connections/ Terminals

| | |
|---|---|
| type of electrical connection 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 |

## 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, 3C3, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted for all devices behind front panel) |

## Installation/ mounting/ dimensions

| | |
|---|---|
| **fastening method** | |
| ● of modules and accessories | Front plate mounting |
| **height** | 40 mm |
| **width** | 40 mm |
| **shape of the installation opening** | round |
| **mounting diameter** | 22.3 mm |
| **positive tolerance of installation diameter** | 0.4 mm |
| **mounting height** | 27.5 mm |
| **installation width** | 40 mm |
| **installation depth** | 49.7 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=3SU1100-1BA20-3CA0-Z Y15
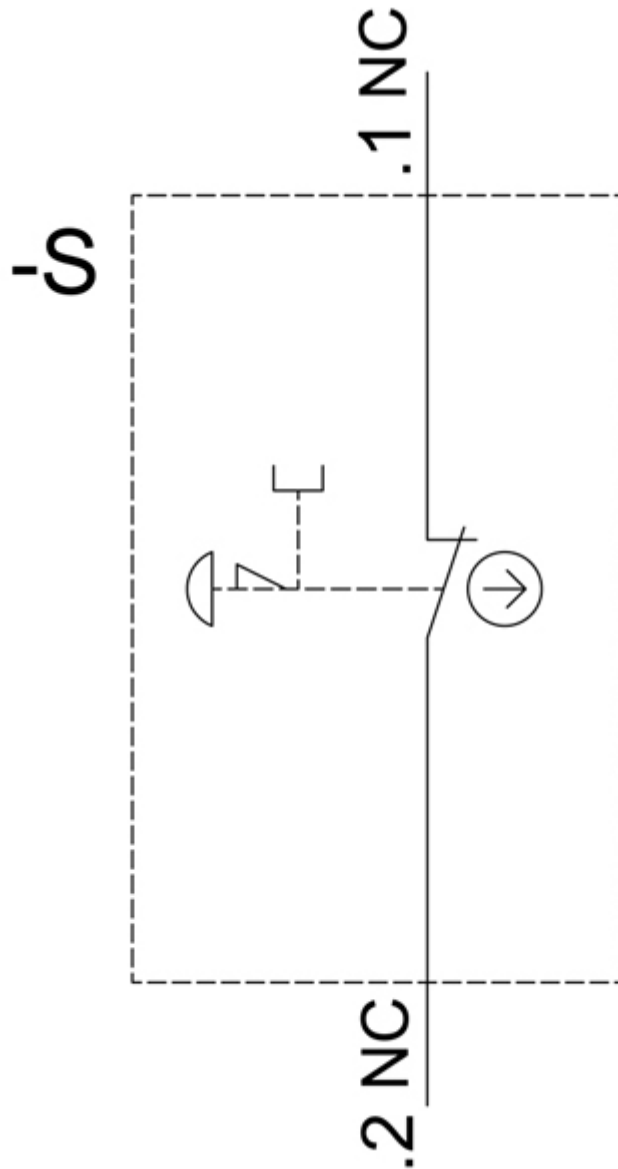**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1BA20-3CA0-Z Y15
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1BA20-3CA0-Z Y15
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1BA20-3CA0-Z Y15&lang=en



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