



Mushroom pushbutton, 22 mm, round, plastic with metal front ring, red, 40mm, latching, pull-to-unlatch mechanism, with holder, 1 NC, screw terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

|   |   |
|---|---|
| product brand name                              | SIRIUS ACT  |
| product designation                             | Mushroom pushbuttons  |
| design of the product                           | Complete unit   |
| product type designation                        | 3SU1  |
| product line                                    | Plastic with metal front ring, matt, 22 mm                  |
| manufacturer's article number                   |   |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1CA0</a>                          |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>                          |
| • of the supplied actuator                      | <a href="#">3SU1030-1BA20-0AA0</a>                          |
| <b>Enclosure</b>                                |   |
| number of command points                        | 1   |
| <b>Actuator</b>                                 |   |
| 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, symbol compliant with ISO7000 and IEC60417 |
| number of contact modules                       | 1   |
| type of unlocking device                        | pull-to-unlatch mechanism                                   |
| number of switching positions                   | 2   |
| <b>Front ring</b>                               |   |
| product component front ring                    | Yes   |
| design of the front ring                        | Standard  |
| material of the front ring                      | Metal, matt   |
| color of the front ring                         | sand gray   |
| <b>Holder</b>                                   |   |
| material of the holder                          | Plastic   |
| <b>Display</b>                                  |   |
| number of LEDs                                  | 0   |
| <b>General technical data</b>                   |   |
| 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   |

|   |   |
|---|---|
| <b>surge voltage resistance rated value</b>   | 6 kV  |
| <b>protection class IP</b><br>• of the terminal   | IP66, IP67, IP69(IP69K)<br>IP20   |
| <b>degree of protection NEMA rating</b>   | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| <b>shock resistance</b><br>• according to IEC 60068-2-27<br>• for railway applications according to EN 61373  | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B   |
| <b>vibration resistance</b><br>• according to IEC 60068-2-6<br>• for railway applications according to EN 61373   | 10 ... 500 Hz: 5g<br>Category 1, Class B  |
| <b>operating frequency maximum</b>  | 1 800 1/h   |
| <b>mechanical service life (operating cycles) typical</b>   | 500 000   |
| electrical endurance (operating cycles) typical   | 10 000 000  |
| <b>thermal current</b>  | 10 A  |
| <b>reference code according to IEC 81346-2</b>  | P   |
| <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>Substance Prohibitance (Date)</b>  | 10/01/2014  |
| <b>operating voltage</b><br>• at AC<br>— at 50 Hz rated value<br>— at 60 Hz rated value<br>• at DC rated value  | 5 ... 500 V<br>5 ... 500 V<br>5 ... 500 V   |
| <b>Power Electronics</b>  |   |
| <b>contact reliability</b>  | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  |
| <b>Auxiliary circuit</b>  |   |
| <b>design of the contact of auxiliary contacts</b>  | Silver alloy  |
| <b>number of NC contacts for auxiliary contacts</b>   | 1   |
| <b>number of NO contacts for auxiliary contacts</b>   | 0   |
| <b>Connections/ Terminals</b>   |   |
| type of electrical connection of modules and accessories  | Screw-type terminal   |
| <b>type of connectable conductor cross-sections</b><br>• solid with core end processing<br>• solid without core end processing<br>• finely stranded with core end processing<br>• finely stranded without core end processing<br>• for AWG cables | 2x (0.5 ... 0.75 mm²)<br>2x (1.0 ... 1.5 mm²)<br>2x (0.5 ... 1.5 mm²)<br>2x (1,0 ... 1,5 mm²)<br>2x (18 ... 14)                               |
| <b>tightening torque of the screws in the bracket</b>   | 1 ... 1.2 N·m   |
| tightening torque with screw-type terminals   | 0.8 ... 0.9 N·m   |
| <b>Ambient conditions</b>   |   |
| <b>ambient temperature</b><br>• during operation<br>• during storage  | -25 ... +70 °C<br>-40 ... +80 °C  |
| environmental category during operation according 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) |
| <b>Installation/ mounting/ dimensions</b>   |   |
| <b>fastening method</b><br>• of modules and accessories   | Front plate mounting  |
| <b>height</b>   | 40 mm   |
| <b>width</b>  | 40 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>  | 27.5 mm   |
| <b>installation width</b>   | 40 mm   |
| <b>installation depth</b>   | 49.7 mm   |
| <b>Certificates/ approvals</b>  |   |
| <b>Further information</b>  |   |
| Siemens has decided to exit the Russian market (see here).  |   |

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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=3SU1130-1BA20-1CA0-Z Y13>

**Cax online generator**

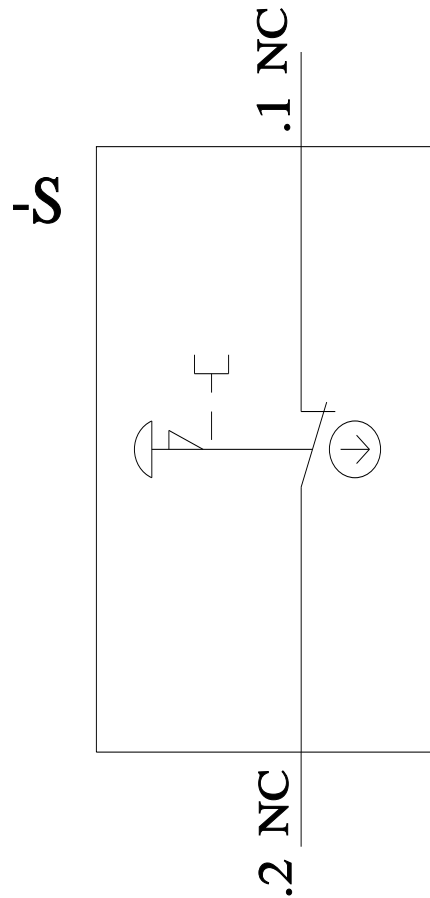
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-1BA20-1CA0-Z Y13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-1BA20-1CA0-Z Y13>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1130-1BA20-1CA0-Z Y13&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-1BA20-1CA0-Z Y13&lang=en)



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