



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, upper case

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| 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>           |
| 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                | Customized labeling, text in capital 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                      | Metal, matt                                  |
| color of the front ring                         | sand gray                                    |
| 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                                        |

|                                                                                                                                                                                                                                                   |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Approvals Certificates</b>                                                                                                                                                                                                                     |                                                                                                                                               |
| <b>General Product Approval</b>                                                                                                                                                                                                                   | <b>Test Certificates</b>                                                                                                                      |



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#### Further information

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 Y11>

Cax online generator

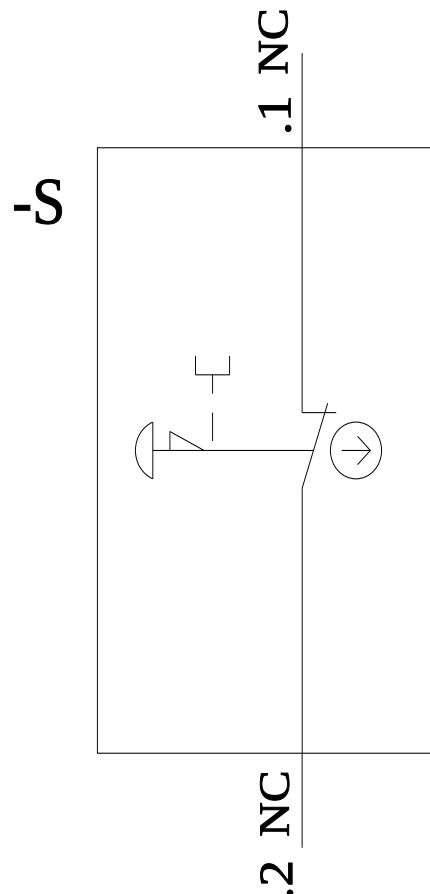
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-1BA20-1CA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-1BA20-1CA0-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=3SU1130-1BA20-1CA0-Z Y11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-1BA20-1CA0-Z Y11&lang=en)



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