



Mushroom pushbutton, 22 mm, round, plastic, red, 40mm, latching, pull-to-unlatch mechanism, with holder, 1 NO+1 NC, spring-type terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

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| <b>product brand name</b>  | SIRIUS ACT   |
| <b>product designation</b>   | Mushroom pushbuttons   |
| <b>design of the product</b>   | Complete unit  |
| <b>product type designation</b>  | 3SU1   |
| <b>product line</b>  | Plastic, black, 22 mm  |
| <b>manufacturer's article number</b>   |  |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-3FA0</a><br><a href="#">3SU1550-0AA10-0AA0</a><br><a href="#">3SU1000-1BA20-0AA0</a> |
| <b>Enclosure</b>   |  |
| <b>number of command points</b>  | 1  |
| <b>Actuator</b>  |  |
| <b>principle of operation of the actuating element</b>   | latching   |
| product extension optional light source  | No   |
| color of the actuating element   | red  |
| <b>material of the actuating element</b>   | plastic  |
| <b>shape of the actuating element</b>  | round  |
| <b>outer diameter of the actuating element</b>   | 40 mm  |
| <b>marking of the actuating element</b>  | Any inscription, text in upper/lower case, every line begins with upper case letter                            |
| <b>number of contact modules</b>   | 1  |
| <b>type of unlocking device</b>  | pull-to-unlatch mechanism  |
| <b>number of switching positions</b>   | 2  |
| <b>Front ring</b>  |  |
| <b>product component front ring</b>  | Yes  |
| <b>design of the front ring</b>  | Standard   |
| <b>material of the front ring</b>  | plastic  |
| <b>color of the front ring</b>   | black  |
| <b>Holder</b>  |  |
| <b>material of the holder</b>  | Plastic  |
| <b>Display</b>   |  |
| <b>number of LEDs</b>  | 0  |
| <b>General technical data</b>  |  |
| <b>product function</b>  |  |
| <ul style="list-style-type: none"> <li>• positive opening</li> <li>• EMERGENCY OFF function</li> <li>• EMERGENCY STOP function</li> </ul>                          | Yes<br>No<br>No  |
| product component light source   | No   |
| insulation voltage rated value   | 500 V  |

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|--|---|
| <b>degree of pollution</b>                                     | 3   |
| type of voltage of the operating voltage                       | AC/DC   |
| <b>surge voltage resistance rated value</b>                    | 6 kV  |
| <b>protection class IP</b>                                     | IP66, IP67, IP69(IP69K)   |
| • of the terminal  | IP20  |
| <b>degree of protection NEMA rating</b>                        | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| <b>shock resistance</b>  |   |
| • according to IEC 60068-2-27                                  | sinusoidal half-wave 15g / 11 ms  |
| • for railway applications according to EN 61373               | Category 1, Class B   |
| <b>vibration resistance</b>                                    |   |
| • according to IEC 60068-2-6                                   | 10 ... 500 Hz: 5g   |
| • for railway applications according to EN 61373               | Category 1, Class B   |
| <b>operating frequency maximum</b>                             | 1 800 1/h   |
| mechanical service life (switching cycles) typical             | 500 000   |
| electrical endurance (switching 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 Prohibitive (Date)</b>                            | 10/01/2014  |
| <b>operating voltage</b>                                       |   |
| • 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   |
| <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>            | 1   |
| <b>Connections/ Terminals</b>                                  |   |
| type of electrical connection of modules and accessories       | Spring-type terminal  |
| <b>type of connectable conductor cross-sections</b>            |   |
| • solid without core end processing                            | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing                     | 2x (0.25 ... 0.75 mm <sup>2</sup> )   |
| • finely stranded without core end processing                  | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • at AWG cables  | 2x (24 ... 16)  |
| <b>tightening torque of the screws in the bracket</b>          | 1 ... 1.2 N·m   |
| <b>Ambient conditions</b>                                      |   |
| <b>ambient temperature</b>                                     |   |
| • during operation   | -25 ... +70 °C  |
| • during storage   | -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>  |   |
| • 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>                                      | 71.7 mm   |
| <b>Certificates/ approvals</b>                                 |   |
| <b>Further information</b>                                     |   |

**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=3SU1100-1BA20-3FA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1BA20-3FA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1BA20-3FA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-1BA20-3FA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1BA20-3FA0-Z Y10&lang=en)

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