



Mushroom pushbutton, 22 mm, round, plastic, red, 40mm, latching, pull-to-unlatch mechanism, with laser labeling, upper case and lower case, always upper case at beginning of line

|   |  |
|---|--|
| <b>product brand name</b>                                 | SIRIUS ACT   |
| <b>product designation</b>                                | Mushroom pushbuttons   |
| <b>design of the product</b>                              | Actuating/signaling element  |
| <b>product type designation</b>                           | 3SU1   |
| <b>product line</b>                                       | Plastic, black, 22 mm  |
| <b>Enclosure</b>  |  |
| <b>number of command points</b>                           | 1  |
| <b>Actuator</b>   |  |
| <b>principle of operation of the actuating element</b>    | latching   |
| <b>product extension optional light source</b>            | No   |
| <b>color of the actuating element</b>                     | 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>                   | Customized labeling, text in lower case / capital letters, all lines start with capital letter |
| <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>General technical data</b>                             |  |
| <b>product function</b>                                   |  |
| • EMERGENCY OFF function                                  | No   |
| • EMERGENCY STOP function                                 | No   |
| <b>protection class IP</b>                                | IP66, IP67, IP69(IP69K)  |
| <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  |
| <b>mechanical service life (switching cycles) typical</b> | 500 000  |
| <b>reference code according to IEC 81346-2</b>            | S  |
| <b>Substance Prohibitance (Date)</b>                      | 10/01/2014   |

| Ambient conditions   |  |
|--|--|
| <b>ambient temperature</b>   |  |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | -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%) |

| Installation/ mounting/ dimensions                 |         |
|--|---------|
| <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>                          | 24.4 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=3SU1000-1BA20-0AA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1BA20-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1BA20-0AA0-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=3SU1000-1BA20-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1BA20-0AA0-Z Y10&lang=en)

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