



Illuminated mushroom pushbutton, 22 mm, round, plastic with metal front ring, red, 40mm, latching, pull-to-unlatch mechanism, 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                              | Actuating/signaling element   |
| product type designation                           | 3SU1  |
| product line                                       | Plastic with metal front ring, matt, 22 mm                          |
| <b>Enclosure</b>                                   |   |
| number of command points                           | 1   |
| <b>Actuator</b>                                    |   |
| design of the actuating element                    | illuminated   |
| principle of operation of the actuating element    | latching  |
| product extension optional light source            | Yes   |
| 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, graphical symbols acc. to ISO7000 and IEC60417 |
| 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>General technical data</b>                      |   |
| product function                                   |   |
| • EMERGENCY OFF function                           | No  |
| • EMERGENCY STOP function                          | No  |
| protection class IP                                | IP66, IP67, IP69(IP69K)   |
| degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| shock resistance                                   |   |
| • according to IEC 60068-2-27                      | sinusoidal half-wave 15g / 11 ms                                    |
| • for railway applications according to EN 61373   | Category 1, Class B   |
| vibration resistance                               |   |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g   |
| • for railway applications according to EN 61373   | Category 1, Class B   |
| operating frequency maximum                        | 1 800 1/h   |
| mechanical service life (switching cycles) typical | 500 000   |
| reference code according to IEC 81346-2            | S   |
| Substance Prohibitance (Date)                      | 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=3SU1031-1BA20-0AA0-Z Y13>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-1BA20-0AA0-Z Y13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-1BA20-0AA0-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=3SU1031-1BA20-0AA0-Z Y13&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-1BA20-0AA0-Z Y13&lang=en)

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