

Illuminated mushroom pushbutton, 22 mm, round, plastic with metal front ring, red, 30 mm, latching, Pull-to-unlatch mechanism

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| 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                        | 30 mm                                                              |
| 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 15 g / 11 ms                                  |
| • for railway applications according to EN 61373               | Category 1, Class B                                                |
| vibration resistance                                           |                                                                    |
| • according to IEC 60068-2-6                                   | 10 ... 500 Hz: 5 g                                                 |
| • for railway applications according to EN 61373               | Category 1, Class B                                                |
| operating frequency maximum                                    | 1 800 1/h                                                          |
| mechanical service life (operating cycles) typical             | 500 000                                                            |
| reference code according to IEC 81346-2                        | S                                                                  |
| Substance Prohibitance (day/month/year)                        | 10/01/2014                                                         |
| Net Weight                                                     | 38 g                                                               |
| <b>Ambient conditions</b>                                      |                                                                    |
| ambient temperature                                            |                                                                    |
| • 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%) |
| <b>Installation/ mounting/ dimensions</b>                      |                                                                    |
| height                                                         | 30 mm                                                              |
| width                                                          | 30 mm                                                              |
| shape of the installation opening                              | round                                                              |

|                                             |         |
|---------------------------------------------|---------|
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 27.5 mm |
| installation width                          | 30 mm   |
| installation depth                          | 24.4 mm |

#### Approvals Certificates

|             |                          |                   |
|-------------|--------------------------|-------------------|
| Environment | General Product Approval | Test Certificates |
|-------------|--------------------------|-------------------|

[Environmental Confirmations](#)



[Special Test Certificate](#)

|                   |                      |       |
|-------------------|----------------------|-------|
| Test Certificates | Maritime application | other |
|-------------------|----------------------|-------|

[Type Test Certificates/Test Report](#)



[Confirmation](#)

other



#### Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1031-1AA20-0AA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-1AA20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-1AA20-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1031-1AA20-0AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-1AA20-0AA0&lang=en)

last modified:

4/4/2026