



Illuminated mushroom pushbutton, 22 mm, round, plastic with metal front ring, clear, 40 mm, momentary contact type

|                                                    |                                            |
|----------------------------------------------------|--------------------------------------------|
| 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    | momentary contact type                     |
| product extension optional light source            | Yes                                        |
| color of the actuating element                     | clear                                      |
| material of the actuating element                  | plastic                                    |
| shape of the actuating element                     | round                                      |
| outer diameter of the actuating element            | 40 mm                                      |
| 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                        | 3 600 1/h                                  |
| mechanical service life (operating cycles) typical | 3 000 000                                  |
| reference code according to IEC 81346-2            | S                                          |
| Substance Prohibitance (day/month/year)            | 10/01/2014                                 |
| Net Weight                                         | 34 g                                       |
| <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%) |

#### Installation/ mounting/ dimensions

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 40 mm   |
| width                                       | 40 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                          | 40 mm   |
| installation depth                          | 24.4 mm |

#### Approvals Certificates

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

[Environmental Con-  
firmations](#)



[Type Test Certific-  
ates/Test Report](#)

|                      |       |
|----------------------|-------|
| Maritime application | other |
|----------------------|-------|



[Confirmation](#)



#### 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=3SU1031-1BD70-0AA0>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-1BD70-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-1BD70-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1031-1BD70-0AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-1BD70-0AA0&lang=en)



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