



Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, latching, Push-to-release mechanism, with laser labeling, lower case

|  |   |
|--|---|
| product brand name                                 | SIRIUS ACT                                      |
| product designation                                | Illuminated pushbuttons                         |
| design of the product                              | Actuating/signaling element                     |
| product type designation                           | 3SU1  |
| product line                                       | Plastic, black, 22 mm                           |
| <b>Enclosure</b>                                   |   |
| number of command points                           | 1   |
| <b>Actuator</b>                                    |   |
| design of the actuating element                    | Flat button                                     |
| principle of operation of the actuating element    | latching  |
| product extension optional                         |   |
| • light source                                     | Yes   |
| • contact module                                   | 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            | 29.5 mm   |
| marking of the actuating element                   | Customized labeling, text in lower case letters |
| type of unlocking device                           | push-to-unlatch mechanism                       |
| <b>Front ring</b>                                  |   |
| product component front ring                       | Yes   |
| design of the front ring                           | Standard  |
| material of the front ring                         | plastic   |
| color of the front ring                            | black   |
| <b>General technical data</b>                      |   |
| protection class IP                                | IP66, IP67, IP69(IP69K)                         |
| degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13                      |
| shock resistance                                   |   |
| • acc. to IEC 60068-2-27                           | Sinusoidal half-wave 50g / 11 ms                |
| • for railway applications acc. to DIN EN 61373    | Category 1, Class B                             |
| vibration resistance                               |   |
| • acc. to IEC 60068-2-6                            | 10 ... 500 Hz: 5g                               |
| • for railway applications acc. to DIN EN 61373    | Category 1, Class B                             |
| operating frequency maximum                        | 1 800 1/h                                       |
| mechanical service life (switching cycles) typical | 500 000   |
| reference code acc. to IEC 81346-2                 | S   |
| <b>Ambient conditions</b>                          |   |

- ambient temperature during operation
- ambient temperature during storage

-25 ... +70 °C  
-40 ... +80 °C

environmental category during operation acc. to IEC 60721

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)

#### Installation/ mounting/ dimensions

|   |         |
|---|---------|
| height                                      | 29.5 mm |
| width                                       | 29.5 mm |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 11 mm   |
| installation width                          | 29.5 mm |
| installation depth                          | 24.3 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=3SU1001-0AA20-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-0AA20-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-0AA20-0AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1001-0AA20-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-0AA20-0AA0-Z Y12&lang=en)

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