



Pushbutton, compact, with extended stroke (12 mm), 22 mm, round, plastic with metal front ring, red transparent, pushbutton, flat, momentary contact type, with holder, with laser labeling, upper case and lower case, always upper case at beginning of line

|  |  |
|--|--|
| product brand name                                 | SIRIUS ACT   |
| product designation                                | Pushbuttons  |
| design of the product                              | Complete unit  |
| 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                    | Flat button with extended stroke, transparent  |
| principle of operation of the actuating element    | momentary contact type   |
| 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 / capital letters, all lines start with capital letter |
| <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>                      |  |
| 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                        | 3 600 1/h  |
| mechanical service life (switching cycles) typical | 5 000 000  |
| 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                                      | 40 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                             | 20.3 mm |
| installation width                          | 29.5 mm |
| installation depth                          | 30.9 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=3SU1231-0EB20-0AA0-Z Y10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1231-0EB20-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1231-0EB20-0AA0-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=3SU1231-0EB20-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1231-0EB20-0AA0-Z Y10&lang=en)

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