



Pushbutton, compact, with extended stroke (12 mm), 22 mm, round, Metal, red transparent, pushbutton, flat, momentary contact type, with holder, with laser labeling, upper case

|                                                    |                                               |
|----------------------------------------------------|-----------------------------------------------|
| product brand name                                 | SIRIUS ACT                                    |
| product designation                                | Pushbuttons                                   |
| design of the product                              | Complete unit                                 |
| product type designation                           | 3SU1                                          |
| product line                                       | Metal, shiny, 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 capital letters  |
| <b>Front ring</b>                                  |                                               |
| product component front ring                       | Yes                                           |
| design of the front ring                           | Standard                                      |
| material of the front ring                         | Metal, high gloss                             |
| color of the front ring                            | silver                                        |
| <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                                   |                                               |
| • 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                        | 3 600 1/h                                     |
| mechanical service life (operating cycles) typical | 5 000 000                                     |
| reference code according to IEC 81346-2            | S                                             |
| Substance Prohibitance (Date)                      | 10/01/2014                                    |
| Weight                                             | 0.057 kg                                      |
| <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>Environmental footprint</b>                                 |                                                                    |
| Environmental Product Declaration (EPD)                        | Yes                                                                |
| Global Warming Potential [CO2 eq] total                        | 0.593 kg                                                           |
| Global Warming Potential [CO2 eq] during manufacturing         | 0.625 kg                                                           |
| Global Warming Potential [CO2 eq] during operation             | 0.235 kg                                                           |
| Global Warming Potential [CO2 eq] after end of life            | -0.267 kg                                                          |
| <b>Installation/ mounting/ dimensions</b>                      |                                                                    |
| 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                                                            |
| <b>Approvals Certificates</b>                                  |                                                                    |
| General Product Approval                                       | Test Certificates                                                  |

[Confirmation](#)



[Type Test Certificates/Test Report](#)

|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)




[Environmental Confirmations](#)

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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Information on the packaging<br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)<br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p>Industry Mall (Online ordering system)<br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1251-0EB20-0AA0-Z Y11">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1251-0EB20-0AA0-Z Y11</a></p> <p>Cax online generator<br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1251-0EB20-0AA0-Z Y11">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1251-0EB20-0AA0-Z Y11</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1251-0EB20-0AA0-Z Y11">https://support.industry.siemens.com/cs/ww/en/ps/3SU1251-0EB20-0AA0-Z Y11</a></p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1251-0EB20-0AA0-Z Y11&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1251-0EB20-0AA0-Z Y11&amp;lang=en</a></p> |

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