



Pushbutton, compact, with extended stroke (12 mm), 22 mm, round, plastic, black, pushbutton, high, momentary contact type, with holder, with laser labeling, lower case

|                                                    |                                                 |
|----------------------------------------------------|-------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                      |
| product designation                                | Pushbuttons                                     |
| design of the product                              | Complete unit                                   |
| 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                    | Raised button with extended stroke              |
| principle of operation of the actuating element    | momentary contact type                          |
| product extension optional                         |                                                 |
| • light source                                     | No                                              |
| • contact module                                   | Yes                                             |
| color of the actuating element                     | black                                           |
| 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 |
| <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                                   |                                                 |
| • 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                                             | 0.018 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                        | 0.787 kg                                                           |
| global warming potential [CO2 eq] during manufacturing         | 0.566 kg                                                           |
| global warming potential [CO2 eq] during operation             | 0.235 kg                                                           |
| global warming potential [CO2 eq] after end of life            | -0.015 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                                                | 32.5 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                                                                                                                                                                                                                                                 |
| <a href="#">Confirmation</a> |    |

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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=3SU1200-0FB10-0AA0-Z Y12">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1200-0FB10-0AA0-Z Y12</a></p> <p>Cax online generator<br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1200-0FB10-0AA0-Z Y12">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1200-0FB10-0AA0-Z Y12</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-0FB10-0AA0-Z Y12">https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-0FB10-0AA0-Z Y12</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=3SU1200-0FB10-0AA0-Z Y12&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-0FB10-0AA0-Z Y12&amp;lang=en</a></p> |

last modified:

11/4/2023 