

Siemens  
EcoTech



Illuminated mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, latching,  
Pull-to-unlatch mechanism



|                                                    |                                   |
|----------------------------------------------------|-----------------------------------|
| product brand name                                 | SIRIUS ACT                        |
| product designation                                | Mushroom 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                    | illuminated                       |
| principle of operation of the actuating element    | latching                          |
| product extension optional light source            | 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            | 40 mm                             |
| type of unlocking device                           | pull-to-unlatch mechanism         |
| 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                         | plastic                           |
| color of the front ring                            | black                             |
| <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                        | 1 800 1/h                         |
| mechanical service life (operating cycles) typical | 500 000                           |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| reference code according to IEC 81346-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | S                                                                                   |                                                                                       |
| Substance Prohibittance (day/month/year)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10/01/2014                                                                          |                                                                                       |
| Net Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.026 kg                                                                            |                                                                                       |
| Ambient conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                       |
| 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%)                  |                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| Environmental Product Declaration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                                                                       |
| • 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -0.0145 kg                                                                          |                                                                                       |
| • global warming potential [CO2 eq] / total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.787 kg                                                                            |                                                                                       |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | General Product Approval                                                            |                                                                                       |
| <div><div><a href="#">Environmental Confirmations</a></div><div></div><div></div><div></div><div></div><div></div></div> |                                                                                     |                                                                                       |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Test Certificates                                                                   | Maritime application                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Type Test Certificates/Test Report</a>                                  | <a href="#">Special Test Certificate</a>                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |    |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |  |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | other                                                                               |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Confirmation</a>                                                        |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                       |
| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                       |
| Information on the packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |                                                                                       |
| <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                       |
| Information for data generation and storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                                                                       |
| <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                       |
| Information- and Downloadcenter (Catalogs, Brochures,...)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                       |
| <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                       |
| Industry Mall (Online ordering system)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1001-1BA20-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1001-1BA20-0AA0</a>                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                       |
| Cax online generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
| <a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1001-1BA20-0AA0">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1001-1BA20-0AA0</a>                                                                                                                                                                                                                                                                                                                                    |                                                                                     |                                                                                       |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                       |
| <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1BA20-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1BA20-0AA0</a>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                     |                                                                                       |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                       |
| <a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1BA20-0AA0&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1BA20-0AA0&amp;lang=en</a>                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                                                                       |



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