

Siemens  
EcoTech



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type



|                                                    |                                   |
|----------------------------------------------------|-----------------------------------|
| product brand name                                 | SIRIUS ACT                        |
| product designation                                | Illuminated pushbuttons           |
| design of the product                              | Actuating/signaling element       |
| 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                       |
| 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                           |
| <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 15 g / 11 ms |
| vibration resistance                               |                                   |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5 g                |
| operating frequency maximum                        | 3 600 1/h                         |
| mechanical service life (operating cycles) typical | 3 000 000                         |
| reference code according to IEC 81346-2            | S                                 |
| Substance Prohibitance (day/month/year)            | 10/01/2014                        |
| Net Weight                                         | 35 g                              |
| <b>Safety related data</b>                         |                                   |
| proportion of dangerous failures                   |                                   |

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| • with low demand rate according to SN 31920                                        | 20 %      |
| • with high demand rate per NC contact according to SN 31920                        | 20 %      |
| • with high demand rate per NO contact according to SN 31920                        | 50 %      |
| <b>B10 value with high demand rate according to SN 31920</b>                        | 3 000 000 |
| <b>failure rate [FIT] with low demand rate per NC contact according to SN 31920</b> | 100 FIT   |
| <b>IEC 61508</b>                                                                    |           |
| T1 value for proof test interval or service life according to IEC 61508             | 20 a      |

#### Ambient conditions

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ambient temperature</b>                                     |                                                                    |
| • 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                                      | 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 |

#### Approvals Certificates

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Confirmations](#)



|                          |                   |                      |
|--------------------------|-------------------|----------------------|
| General Product Approval | Test Certificates | Maritime application |
|--------------------------|-------------------|----------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|                      |       |
|----------------------|-------|
| Maritime application | other |
|----------------------|-------|



[Confirmation](#)



#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1051-0AB20-0AA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-0AB20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-0AB20-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1051-0AB20-0AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-0AB20-0AA0&lang=en)



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last modified:

4/4/2026 