

**Siemens  
EcoTech**



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, raised momentary contact type, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)



|                                                    |                                                                                                                                 |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                                                                                                      |
| product designation                                | Illuminated 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                    | Raised 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                     | clear                                                                                                                           |
| 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 or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| <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 | 3 000 000                                                                                                                       |
| reference code according to IEC 81346-2            | S                                                                                                                               |
| Substance Prohibitance (Date)                      | 10/01/2014                                                                                                                      |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Weight</b>                                                  | 19 g                                                               |
| <b>Ambient conditions</b>                                      |                                                                    |
| <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%) |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <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       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

|                                                    |         |
|----------------------------------------------------|---------|
| <b>Installation/ mounting/ dimensions</b>          |         |
| <b>height</b>                                      | 29.5 mm |
| <b>width</b>                                       | 29.5 mm |
| <b>shape of the installation opening</b>           | round   |
| <b>mounting diameter</b>                           | 22.3 mm |
| <b>positive tolerance of installation diameter</b> | 0.4 mm  |
| <b>mounting height</b>                             | 16.2 mm |
| <b>installation width</b>                          | 29.5 mm |
| <b>installation depth</b>                          | 24.3 mm |

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Approvals Certificates</b>   |                          |
| <b>General Product Approval</b> | <b>Test Certificates</b> |



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

|              |                    |
|--------------|--------------------|
| <b>other</b> | <b>Environment</b> |
|--------------|--------------------|

[Confirmation](#)



Siemens  
EcoTech



[Environmental Confirmations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

Information on the packaging

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

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=3SU1001-0BB70-0AA0-Z Y19>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-0BB70-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-0BB70-0AA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1001-0BB70-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-0BB70-0AA0-Z Y19&lang=en)

last modified:

4/24/2025