



Illuminated pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, with laser labeling, upper case and lower case, Always upper case at the beginning of the word

|                                                    |                                                                                               |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 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                                                                           |
| Enclosure                                          |                                                                                               |
| number of command points                           | 1                                                                                             |
| Actuator                                           |                                                                                               |
| 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                     | green                                                                                         |
| 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/capital letters, all words start with capital letters |
| Front ring                                         |                                                                                               |
| 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                                                                                        |
| General technical data                             |                                                                                               |
| 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                                                              |
| vibration resistance                               |                                                                                               |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                                                                             |
| 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                                                                                    |
| Net Weight                                         | 0.04 kg                                                                                       |

| Safety related data                                                                 |           |
|-------------------------------------------------------------------------------------|-----------|
| <b>proportion of dangerous failures</b>                                             |           |
| • 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   |
| IEC 61508                                                                           |           |
| 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%) |

| Environmental footprint                                |                 |
|--------------------------------------------------------|-----------------|
| 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       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

| 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   |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

|                      |                              |
|----------------------|------------------------------|
| Maritime application | other                        |
|                      | <a href="#">Confirmation</a> |

| Environment |                                             |
|-------------|---------------------------------------------|
|             | <a href="#">Environmental Confirmations</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                                                                                             |  |

<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=3SU1051-0AB40-0AA0-Z Y15>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-0AB40-0AA0-Z Y15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-0AB40-0AA0-Z Y15>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1051-0AB40-0AA0-Z Y15&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-0AB40-0AA0-Z Y15&lang=en)

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