SIEMENS

## Data sheet 3SU1050-0AB50-0AA0

Siemens EcoTech

Pushbutton, 22 mm, round, metal, shiny, blue, pushbutton, flat momentary contact type

| | |
|---|---|
| **product brand name** | SIRIUS ACT |
| **product designation** | 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 | No |
| • contact module | Yes |
| color of the actuating element | blue |
| **material of the actuating element** | plastic |
| **shape of the actuating element** | round |
| **outer diameter of the actuating element** | 29.5 mm |
| **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** | 10 000 000 |
| **reference code according to IEC 81346-2** | S |
| **Substance Prohibitance (Date)** | 10/01/2014 |
| **Weight** | 0.036 kg |
| **Safety related data** | |
| **proportion of dangerous failures** | |


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| | |
|---|---|
| ● 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 % |
| **B10 value with high demand rate according to SN 31920** | 10 000 000 |
| **failure rate [FIT] with low demand rate per NC contact according to SN 31920** | 100 FIT |
| IEC 61508 | |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |

## 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%) |

## 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**

Special Test Certific-ate | Type Test Certific-ates/Test Report

**Maritime application**

**other**

Confirmation

**Environment**

Environmental Con-firmations

## 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


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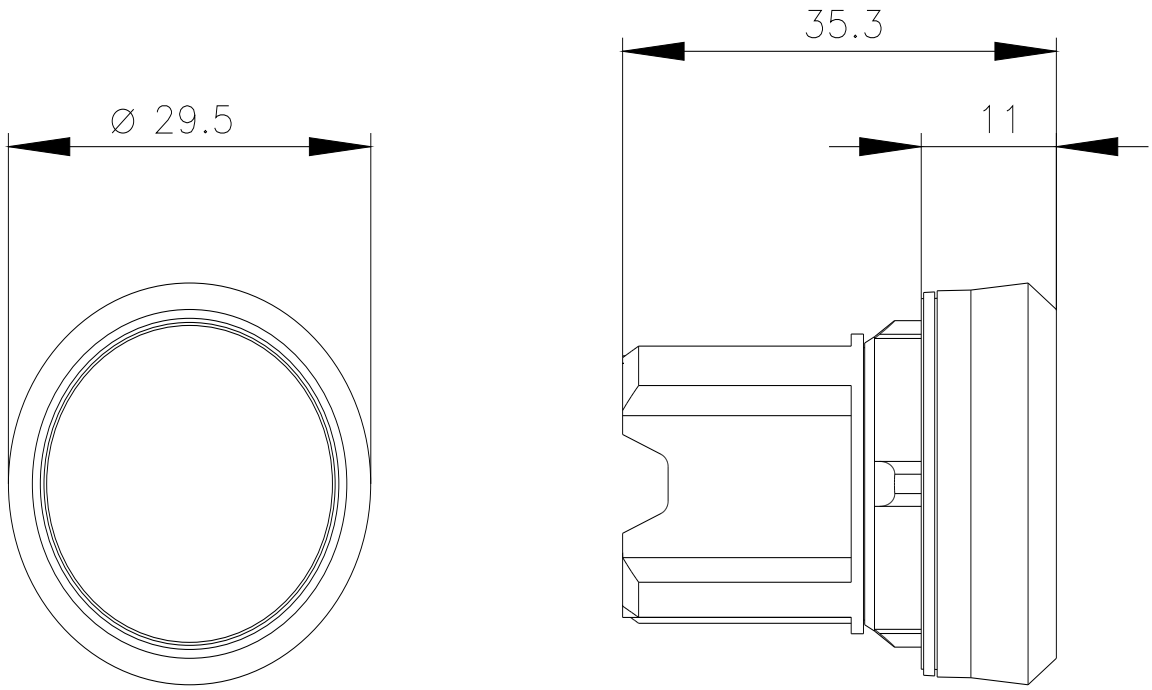
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-0AB50-0AA0
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-0AB50-0AA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-0AB50-0AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-0AB50-0AA0&lang=en

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