

Siemens  
EcoTech



Pushbutton, 22 mm, round, plastic, white, Front ring, raised, castellated momentary contact type, with laser labeling, upper case and lower case, always upper case at beginning of line



|                                                    |                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                                                                   |
| product designation                                | 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                    | 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                     | white                                                                                        |
| 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 lines start with capital letter |
| <b>Front ring</b>                                  |                                                                                              |
| product component front ring                       | Yes                                                                                          |
| design of the front ring                           | high with crenellations                                                                      |
| 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 | 10 000 000                                                                                   |
| reference code according to IEC 81346-2            | S                                                                                            |
| Substance Prohibitance (Date)                      | 10/01/2014                                                                                   |

|                                                                                     |                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Weight</b>                                                                       | 0.014 kg                                                           |
| <b>Safety related data</b>                                                          |                                                                    |
| <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>                        | 10 000 000                                                         |
| <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                                                               |
| <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>                                                              | 18.1 mm                                                            |
| <b>installation width</b>                                                           | 29.5 mm                                                            |
| <b>installation depth</b>                                                           | 24.3 mm                                                            |

#### Approvals Certificates

##### General Product Approval



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

##### Maritime application



##### other

[Confirmation](#)



##### Environment



#### Environment



[Environmental Confirmations](#)

#### 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=3SU1000-0DB60-0AA0-Z Y10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-0DB60-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-0DB60-0AA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-0DB60-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-0DB60-0AA0-Z Y10&lang=en)

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