



Illuminated mushroom pushbutton, 22 mm, round, metal, shiny, blue, 30 mm, latching, pull-to-unlatch mechanism, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

|                                                    |                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                                          |
| product designation                                | Mushroom 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                    | illuminated                                                         |
| principle of operation of the actuating element    | latching                                                            |
| product extension optional light source            | 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            | 30 mm                                                               |
| marking of the actuating element                   | Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 |
| type of unlocking device                           | pull-to-unlatch mechanism                                           |
| number of switching positions                      | 2                                                                   |
| <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>                      |                                                                     |
| product function                                   |                                                                     |
| • EMERGENCY OFF function                           | No                                                                  |
| • EMERGENCY STOP function                          | No                                                                  |
| 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                        | 1 800 1/h                                                           |
| mechanical service life (operating cycles) typical | 500 000                                                             |
| reference code according to IEC 81346-2            | S                                                                   |
| Substance Prohibitance (Date)                      | 10/01/2014                                                          |
| Net Weight                                         | 0.052 kg                                                            |
| <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%) |

| Installation/ mounting/ dimensions          |         |
|---------------------------------------------|---------|
| height                                      | 30 mm   |
| width                                       | 30 mm   |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 27.5 mm |
| installation width                          | 30 mm   |
| installation depth                          | 24.4 mm |

| Approvals Certificates                                     |           |
|------------------------------------------------------------|-----------|
| Environmental Product Declaration                          |           |
| • 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 |
| • global warming potential [CO2 eq] / total                | 0.593 kg  |

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



[Environmental Conformations](#)



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



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|                      |       |
|----------------------|-------|
| 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=3SU1051-1AA50-0AA0-Z Y13>

#### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1AA50-0AA0-Z Y13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1AA50-0AA0-Z Y13>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1051-1AA50-0AA0-Z Y13&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1AA50-0AA0-Z Y13&lang=en)

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