



Illuminated mushroom pushbutton, 22 mm, round, metal, shiny, red, 40mm, latching, pull-to-unlatch mechanism, with laser labeling, upper case and lower case, always upper case at beginning of line

|                                                    |                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------|
| 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                     | red                                                                                          |
| material of the actuating element                  | plastic                                                                                      |
| shape of the actuating element                     | round                                                                                        |
| outer diameter of the actuating element            | 40 mm                                                                                        |
| marking of the actuating element                   | Customized labeling, text in lower case/capital letters, all lines start with capital letter |
| 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                                         | 18 g                                                                                         |

| 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%) |

| Installation/ mounting/ dimensions                 |         |
|----------------------------------------------------|---------|
| <b>height</b>                                      | 40 mm   |
| <b>width</b>                                       | 40 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>                             | 27.5 mm |
| <b>installation width</b>                          | 40 mm   |
| <b>installation depth</b>                          | 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                        |
| <b>Environment</b>                                         | <b>General Product Approval</b> |



[Environmental Confirmations](#)



|                                 |                          |                             |
|---------------------------------|--------------------------|-----------------------------|
| <b>General Product Approval</b> | <b>Test Certificates</b> | <b>Maritime application</b> |
|---------------------------------|--------------------------|-----------------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|                             |              |
|-----------------------------|--------------|
| <b>Maritime application</b> | <b>other</b> |
|-----------------------------|--------------|



[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=3SU1051-1BA20-0AA0-Z Y10>

### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1BA20-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1BA20-0AA0-Z Y10>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1051-1BA20-0AA0-Z Y10&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1BA20-0AA0-Z Y10&lang=en)

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