

Siemens  
EcoTech



mushroom pushbutton, 22 mm, round, plastic, black, 40 mm, positive latching, rotate to unlatch

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| product brand name                                             | SIRIUS ACT                                                         |
| product designation                                            | Mushroom 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                                | positive latching                                                  |
| principle of operation of the actuating element                | latching                                                           |
| product extension optional light source                        | No                                                                 |
| color of the actuating element                                 | black                                                              |
| material of the actuating element                              | plastic                                                            |
| shape of the actuating element                                 | round                                                              |
| outer diameter of the actuating element                        | 40 mm                                                              |
| type of unlocking device                                       | rotate-to-unlatch mechanism                                        |
| number of switching positions                                  | 2                                                                  |
| <b>Front ring</b>                                              |                                                                    |
| product component front ring                                   | No                                                                 |
| design of the front ring                                       | without                                                            |
| <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 15 g / 11 ms                                  |
| • for railway applications according to EN 61373               | Category 1, Class B                                                |
| vibration resistance                                           |                                                                    |
| • according to IEC 60068-2-6                                   | 10 ... 500 Hz: 5 g                                                 |
| • for railway applications according to EN 61373               | Category 1, Class B                                                |
| operating frequency maximum                                    | 600 1/h                                                            |
| mechanical service life (operating cycles) typical             | 300 000                                                            |
| reference code according to IEC 81346-2                        | S                                                                  |
| Substance Prohibitance (day/month/year)                        | 10/01/2014                                                         |
| Net Weight                                                     | 46 g                                                               |
| <b>Ambient conditions</b>                                      |                                                                    |
| 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%) |
| <b>Installation/ mounting/ dimensions</b>                      |                                                                    |
| height                                                         | 40 mm                                                              |
| width                                                          | 40 mm                                                              |
| shape of the installation opening                              | round                                                              |
| mounting diameter                                              | 22.3 mm                                                            |

|                                             |         |
|---------------------------------------------|---------|
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 45.3 mm |
| installation width                          | 40 mm   |
| installation depth                          | 26.3 mm |

#### Environmental footprint

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| 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 |

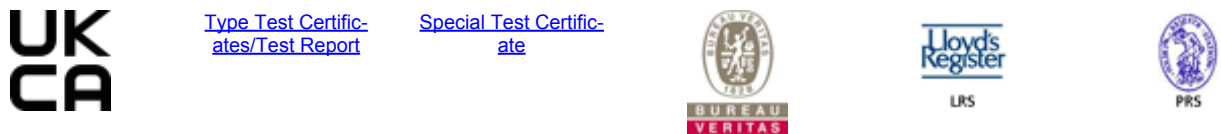
#### Approvals Certificates

|                                                                                                                                                                                                                                                                                                    |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Environmental Product Declaration                                                                                                                                                                                                                                                                  |                                                |
| <ul style="list-style-type: none"> <li>• global warming potential [CO2 eq] / during manufacturing</li> <li>• global warming potential [CO2 eq] / during operation</li> <li>• global warming potential [CO2 eq] / after end of life</li> <li>• global warming potential [CO2 eq] / total</li> </ul> | 0.566 kg<br>0.235 kg<br>-0.0145 kg<br>0.787 kg |
| Environment                                                                                                                                                                                                                                                                                        | General Product Approval                       |

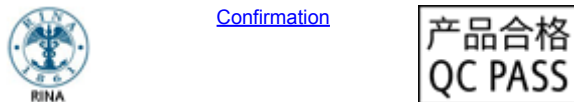
[Environmental Confirmations](#)



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



|                      |       |
|----------------------|-------|
| Maritime application | other |
|----------------------|-------|



#### 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=3SU1000-1HB10-0AA0>  
**Cax online generator**  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HB10-0AA0>  
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HB10-0AA0>  
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-1HB10-0AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HB10-0AA0&lang=en)

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