

Mushroom pushbutton, 22 mm, round, plastic, black, 60 mm, momentary contact type, 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                                                   | Plastic, black, 22 mm                                               |
| <b>Enclosure</b>                                               |                                                                     |
| number of command points                                       | 1                                                                   |
| <b>Actuator</b>                                                |                                                                     |
| principle of operation of the actuating element                | momentary contact type                                              |
| 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                        | 60 mm                                                               |
| marking of the actuating element                               | Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 |
| 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                                     | plastic                                                             |
| color of the front ring                                        | black                                                               |
| <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                                    | 3 600 1/h                                                           |
| mechanical service life (operating cycles) typical             | 10 000 000                                                          |
| reference code according to IEC 81346-2                        | S                                                                   |
| Substance Prohibitance (day/month/year)                        | 10/01/2014                                                          |
| Net Weight                                                     | 0.025 kg                                                            |
| <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                                                         | 60 mm                                                               |
| width                                                          | 60 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                          | 60 mm   |
| installation depth                          | 24.4 mm |

#### Approvals Certificates

|                                                            |                          |
|------------------------------------------------------------|--------------------------|
| Environmental Product Declaration                          |                          |
| • 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    | -0.0145 kg               |
| • global warming potential [CO2 eq] / total                | 0.787 kg                 |
| Environment                                                | General Product Approval |

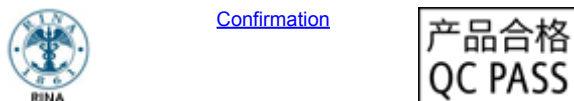
[Environmental Confirmations](#)



|                          |                   |                      |
|--------------------------|-------------------|----------------------|
| 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=3SU1000-1CD10-0AA0-Z Y13>  
Cax online generator  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1CD10-0AA0-Z Y13>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1CD10-0AA0-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=3SU1000-1CD10-0AA0-Z Y13&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1CD10-0AA0-Z Y13&lang=en)

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