



Mushroom pushbutton, 22 mm, round, plastic with metal front ring, black, 40 mm, momentary contact type, Z=50-unit packaging

|                                                           |                                            |
|-----------------------------------------------------------|--------------------------------------------|
| <b>product brand name</b>                                 | SIRIUS ACT                                 |
| <b>product designation</b>                                | Mushroom pushbuttons                       |
| <b>design of the product</b>                              | Actuating/signaling element                |
| <b>product type designation</b>                           | 3SU1                                       |
| <b>product line</b>                                       | Plastic with metal front ring, matt, 22 mm |
| <b>Enclosure</b>                                          |                                            |
| <b>number of command points</b>                           | 1                                          |
| <b>Actuator</b>                                           |                                            |
| <b>principle of operation of the actuating element</b>    | momentary contact type                     |
| <b>product extension optional light source</b>            | No                                         |
| <b>color of the actuating element</b>                     | black                                      |
| <b>material of the actuating element</b>                  | plastic                                    |
| <b>shape of the actuating element</b>                     | round                                      |
| <b>outer diameter of the actuating element</b>            | 40 mm                                      |
| <b>number of switching positions</b>                      | 2                                          |
| <b>Front ring</b>                                         |                                            |
| <b>product component front ring</b>                       | Yes                                        |
| <b>design of the front ring</b>                           | Standard                                   |
| <b>material of the front ring</b>                         | Metal, matt                                |
| <b>color of the front ring</b>                            | sand gray                                  |
| <b>General technical data</b>                             |                                            |
| <b>product function</b>                                   |                                            |
| • EMERGENCY OFF function                                  | No                                         |
| • EMERGENCY STOP function                                 | No                                         |
| <b>protection class IP</b>                                | IP66, IP67, IP69(IP69K)                    |
| <b>degree of protection NEMA rating</b>                   | 1, 2, 3, 3R, 4, 4X, 12, 13                 |
| <b>shock resistance</b>                                   |                                            |
| • according to IEC 60068-2-27                             | sinusoidal half-wave 15g / 11 ms           |
| • for railway applications according to EN 61373          | Category 1, Class B                        |
| <b>vibration resistance</b>                               |                                            |
| • according to IEC 60068-2-6                              | 10 ... 500 Hz: 5g                          |
| • for railway applications according to EN 61373          | Category 1, Class B                        |
| <b>operating frequency maximum</b>                        | 3 600 1/h                                  |
| <b>mechanical service life (switching cycles) typical</b> | 10 000 000                                 |
| <b>reference code according to IEC 81346-2</b>            | S                                          |
| <b>Substance Prohibitance (Date)</b>                      | 10/01/2014                                 |
| <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>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                                                | 27.5 mm                                                            |
| installation width                                             | 40 mm                                                              |
| installation depth                                             | 24.4 mm                                                            |

**Certificates/ approvals**

**Further information**

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=3SU1030-1BD10-0AA0-Z X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-1BD10-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-1BD10-0AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-1BD10-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-1BD10-0AA0-Z X90&lang=en)

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