



key-operated switch Siemens, 22 mm, round, plastic, special lock, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O

|   |                                  |
|---|----------------------------------|
| product brand name                                    | SIRIUS ACT                       |
| product designation                                   | Key-operated switches            |
| design of the product                                 | Actuating/signaling element      |
| product type designation                              | 3SU1                             |
| product line  | Plastic, black, 22 mm            |
| <b>Actuator</b>                                       |                                  |
| principle of operation of the actuating element       | latching, 90° (10:30 h/13:30 h)  |
| product extension optional light source               | No                               |
| color   |                                  |
| • of the actuating element                            | silver                           |
| material of the actuating element                     | metal                            |
| shape of the actuating element                        | Key                              |
| outer diameter of the actuating element               | 29.5 mm                          |
| number of switching positions                         | 2                                |
| switch position for key distraction                   | O                                |
| actuating angle                                       |                                  |
| • clockwise   | 90°                              |
| lock make   | Siemens                          |
| <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>                         |                                  |
| protection class IP                                   | IP66, IP67, IP69(IP69K)          |
| • of the terminal                                     | IP20                             |
| 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 |
| • for railway applications according to EN 61373      | Category 1, Class B              |
| vibration resistance                                  |                                  |
| • according to IEC 60068-2-6                          | 10 ... 500 Hz: 5g                |
| • for railway applications according to EN 61373      | Category 1, Class B              |
| operating frequency maximum                           | 1 800 1/h                        |
| mechanical service life (switching cycles) typical    | 1 000 000                        |
| reference code according to IEC 81346-2               | S                                |
| Substance Prohibitance (Date)                         | 10/01/2014                       |
| <b>Safety related data</b>                            |                                  |
| B10 value with high demand rate according to SN 31920 | 100 000                          |

|   |              |
|---|--------------|
| <b>proportion of dangerous failures</b>   |              |
| <ul style="list-style-type: none"> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> | 20 %<br>20 % |
| failure rate [FIT] with low demand rate according to SN 31920   | 100 FIT      |

#### Ambient conditions

|  |  |
|--|--|
| <b>ambient temperature</b>   |  |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | -25 ... +70 °C<br>-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>                                      | 29.5 mm |
| <b>width</b>                                       | 29.5 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>                             | 61 mm   |
| <b>installation width</b>                          | 29.5 mm |
| <b>installation depth</b>                          | 25.4 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=3SU1000-5BF01-0AA0-Z Y01>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BF01-0AA0-Z Y01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BF01-0AA0-Z Y01>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-5BF01-0AA0-Z Y01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5BF01-0AA0-Z Y01&lang=en)

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