



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, lock number SSG10, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I

|                                                    |                                            |
|----------------------------------------------------|--------------------------------------------|
| product brand name                                 | SIRIUS ACT                                 |
| product designation                                | Key-operated switches                      |
| design of the product                              | Actuating/signaling element                |
| product type designation                           | 3SU1                                       |
| product line                                       | Plastic with metal front ring, matt, 22 mm |
| manufacturer's article number of included key      | 3SU1950-0FP80-0AA0                         |
| <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+I                                        |
| actuating angle                                    |                                            |
| • clockwise                                        | 90°                                        |
| lock make                                          | CES                                        |
| key number                                         | SSG10                                      |
| <b>Front ring</b>                                  |                                            |
| product component front ring                       | Yes                                        |
| design of the front ring                           | Standard                                   |
| material of the front ring                         | Metal, matt                                |
| color of the front ring                            | sand gray                                  |
| <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                                   |                                            |
| • acc. to IEC 60068-2-27                           | Sinusoidal half-wave 50g / 11 ms           |
| • for railway applications acc. to DIN EN 61373    | Category 1, Class B                        |
| vibration resistance                               |                                            |
| • acc. to IEC 60068-2-6                            | 10 ... 500 Hz: 5g                          |
| • for railway applications acc. to DIN EN 61373    | Category 1, Class B                        |
| operating frequency maximum                        | 1 800 1/h                                  |
| mechanical service life (switching cycles) typical | 1 000 000                                  |

|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| reference code acc. to IEC 81346-2                                        | S       |
| <b>Safety related data</b>                                                |         |
| B10 value with high demand rate acc. to SN 31920                          | 100 000 |
| <b>proportion of dangerous failures</b>                                   |         |
| • with low demand rate acc. to SN 31920                                   | 20 %    |
| • with high demand rate acc. to SN 31920                                  | 20 %    |
| failure rate [FIT] with low demand rate acc. to SN 31920                  | 100 FIT |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y    |

|                                                           |                                                                     |
|-----------------------------------------------------------|---------------------------------------------------------------------|
| <b>Ambient conditions</b>                                 |                                                                     |
| • ambient temperature during operation                    | -25 ... +70 °C                                                      |
| • ambient temperature during storage                      | -40 ... +80 °C                                                      |
| environmental category during operation acc. to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %) |

|                                             |         |
|---------------------------------------------|---------|
| <b>Installation/ mounting/ dimensions</b>   |         |
| height                                      | 29.5 mm |
| width                                       | 29.5 mm |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 61 mm   |
| installation width                          | 29.5 mm |
| installation depth                          | 25.4 mm |

|                                |                           |                   |
|--------------------------------|---------------------------|-------------------|
| <b>Certificates/ approvals</b> |                           |                   |
| General Product Approval       | Declaration of Conformity | Test Certificates |



[Miscellaneous](#)



[Special Test Certificate](#)

|                   |                   |
|-------------------|-------------------|
| Test Certificates | Marine / Shipping |
|-------------------|-------------------|

[Type Test Certificates/Test Report](#)



other

[Confirmation](#)

## 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=3SU1030-5BF11-0AA0>

Cax online generator

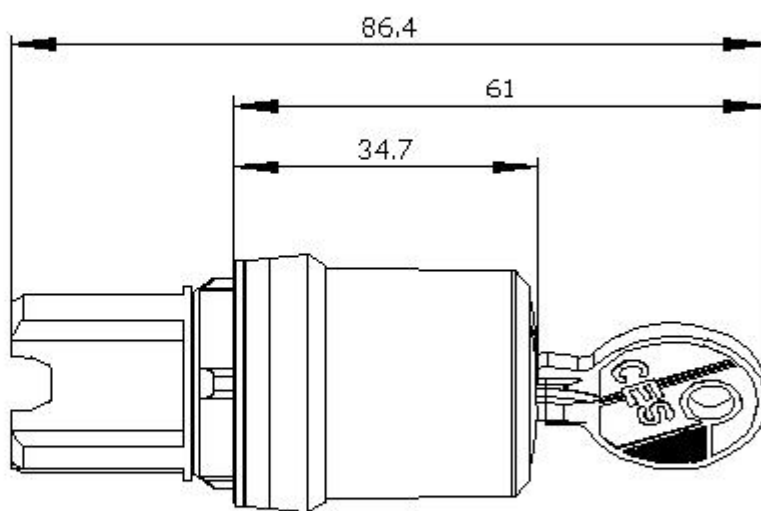
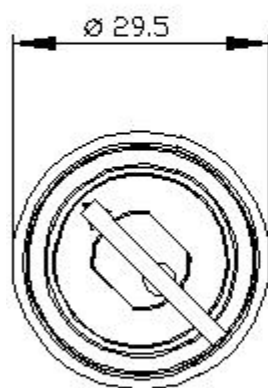
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BF11-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BF11-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-5BF11-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BF11-0AA0&lang=en)



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