



key-operated switch Siemens, 22 mm, round, plastic, lock number SSG10, with 2 keys, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/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              |
| manufacturer's article number of included key | <a href="#">3SU1950-0FP80-0AA0</a> |

### Actuator

|                                                 |                                                                                            |
|-------------------------------------------------|--------------------------------------------------------------------------------------------|
| principle of operation of the actuating element | momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching |
| 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                   | 3                                                                                          |
| switch position for key distraction             | O                                                                                          |
| actuating angle                                 |                                                                                            |
| • clockwise                                     | 45°                                                                                        |
| • anticlockwise                                 | 45°                                                                                        |
| lock make                                       | Siemens                                                                                    |
| key number                                      | SSG10                                                                                      |

### Front ring

|                              |          |
|------------------------------|----------|
| product component front ring | Yes      |
| design of the front ring     | Standard |
| material of the front ring   | plastic  |
| color of the front ring      | black    |

### General technical data

|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| 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 (operating cycles) typical | 1 000 000                        |
| reference code according to IEC 81346-2            | S                                |
| Substance Prohibitance (Date)                      | 10/01/2014                       |

| Safety related data                                           |         |
|---------------------------------------------------------------|---------|
| B10 value with high demand rate according to SN 31920         | 300 000 |
| <b>proportion of dangerous failures</b>                       |         |
| • with low demand rate according to SN 31920                  | 20 %    |
| • with high demand rate according to SN 31920                 | 20 %    |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |

| Ambient conditions                                             |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <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%) |

| Installation/ mounting/ dimensions          |         |
|---------------------------------------------|---------|
| 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 |

| Certificates/ approvals  |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |



[Confirmation](#)



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

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|



[Environmental Confirmations](#)

[Confirmation](#)

| Further information |
|---------------------|
|---------------------|

#### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

#### 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=3SU1000-5BP01-0AA0>

#### Cax online generator

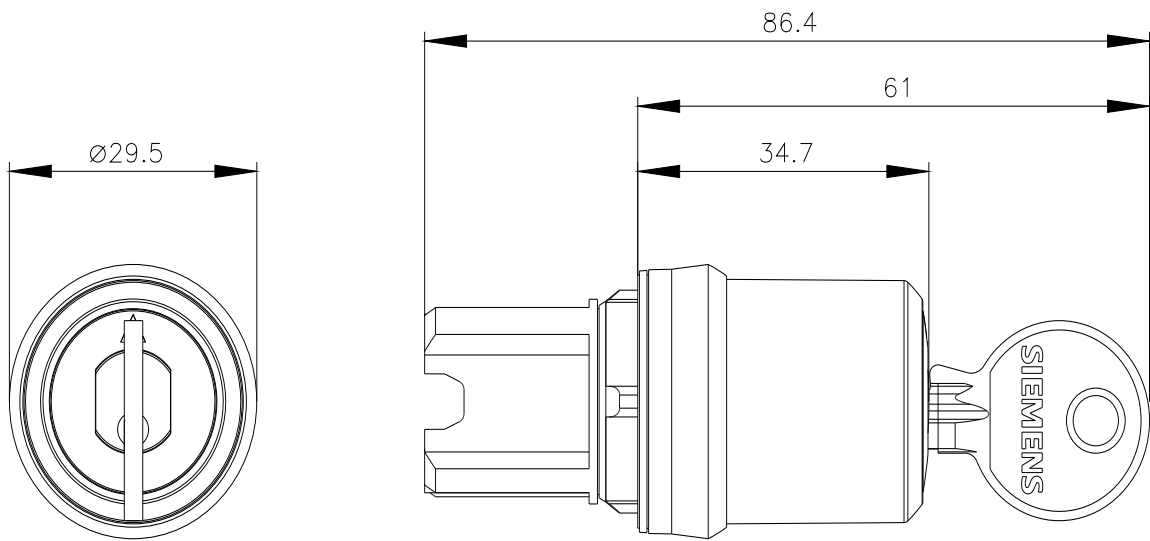
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BP01-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BP01-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-5BP01-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5BP01-0AA0&lang=en)



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