



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, lock number SSG10, with 2 keys, 2 switch positions O<I, momentary contact type, actuating angle 45°, 10:30h/12h, key removal O, with laser labeling, lower case

|                                                    |                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------|
| 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      | <a href="#">3SU1950-0FP80-0AA0</a>                                |
| <b>Actuator</b>                                    |                                                                   |
| principle of operation of the actuating element    | momentary contact, 45° (10:30 h/12 h), return from center to left |
| 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                                                           |
| marking of the actuating element                   | Any inscription, text in lower case                               |
| number of switching positions                      | 2                                                                 |
| switch position for key distraction                | O                                                                 |
| actuating angle                                    |                                                                   |
| • clockwise                                        | 45°                                                               |
| lock make                                          | Siemens                                                           |
| 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                                   |                                                                   |
| • 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                                                                 |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Substance Prohibitance (Date)</b>                           | 10/01/2014                                                         |
| <b>Safety related data</b>                                     |                                                                    |
| B10 value with high demand rate according to SN 31920          | 500 000                                                            |
| <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                                                            |
| <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>                      |                                                                    |
| <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                                                            |
| <b>Certificates/ approvals</b>                                 |                                                                    |
| <b>Further information</b>                                     |                                                                    |

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=3SU1030-5BC01-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BC01-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BC01-0AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-5BC01-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BC01-0AA0-Z Y12&lang=en)

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