



key-operated switch Siemens, 22 mm, round, metal, shiny, lock number SSG10, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal I, with laser labeling, upper case

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| product brand name                                 | SIRIUS ACT                                   |
| product designation                                | Key-operated switches                        |
| design of the product                              | Actuating/signaling element                  |
| product type designation                           | 3SU1                                         |
| product line                                       | Metal, shiny, 22 mm                          |
| manufacturer's article number of included key      | <a href="#">3SU1950-0FP80-0AA0</a>           |
| Actuator                                           |                                              |
| 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                                      |
| marking of the actuating element                   | Customized labeling, text in capital letters |
| number of switching positions                      | 2                                            |
| switch position for key distraction                | I                                            |
| actuating angle                                    |                                              |
| • clockwise                                        | 90°                                          |
| lock make                                          | Siemens                                      |
| key number                                         | SSG10                                        |
| Front ring                                         |                                              |
| product component front ring                       | Yes                                          |
| design of the front ring                           | Standard                                     |
| material of the front ring                         | Metal, high gloss                            |
| color of the front ring                            | silver                                       |
| 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             |
| vibration resistance                               |                                              |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                            |
| operating frequency maximum                        | 1 800 1/h                                    |
| mechanical service life (operating cycles) typical | 300 000                                      |
| reference code according to IEC 81346-2            | S                                            |

|                                                                      |            |
|----------------------------------------------------------------------|------------|
| Substance Prohibittance (Date)                                       | 10/01/2014 |
| <b>Safety related data</b>                                           |            |
| <b>proportion of dangerous failures</b>                              |            |
| • with low demand rate according to SN 31920                         | 20 %       |
| • with high demand rate according to SN 31920                        | 20 %       |
| <b>B10 value with high demand rate according to SN 31920</b>         | 100 000    |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 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>Environmental footprint</b>                         |                 |
| Environmental Product Declaration (EPD)                | Yes             |
| Global Warming Potential [CO2 eq] total                | 0.593 kg        |
| Global Warming Potential [CO2 eq] during manufacturing | 0.625 kg        |
| Global Warming Potential [CO2 eq] during operation     | 0.235 kg        |
| Global Warming Potential [CO2 eq] after end of life    | -0.267 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

|                                             |         |
|---------------------------------------------|---------|
| <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>Approvals Certificates</b> |                   |
| General Product Approval      | Test Certificates |



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

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



[Confirmation](#)



|             |
|-------------|
| Environment |
|-------------|

Siemens  
EcoTech



|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

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=3SU1050-5BF21-0AA0-Z Y11>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BF21-0AA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BF21-0AA0-Z Y11>

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3/2/2024 

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