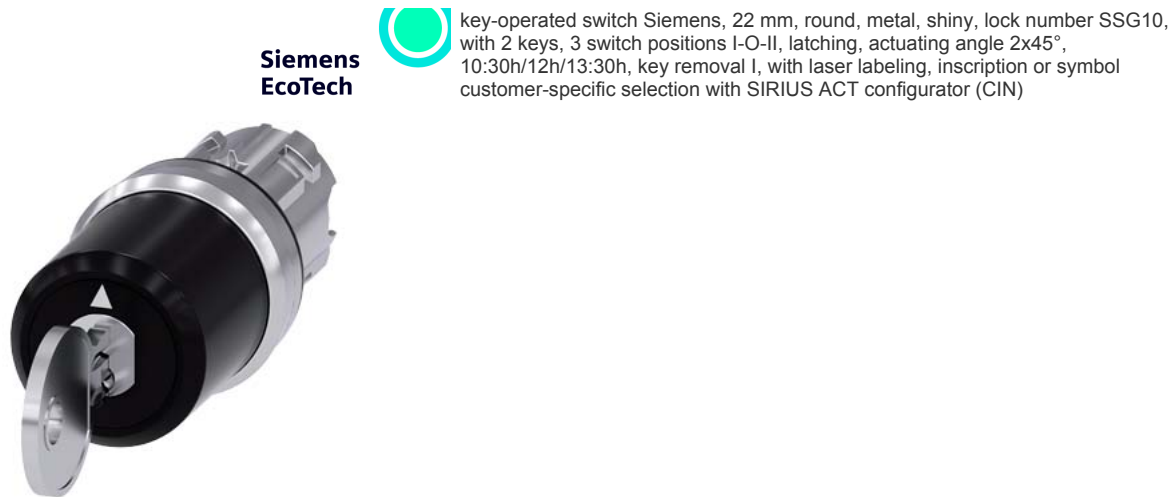




|                                                 |                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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, 2x45° (10:30 h/12 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 or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| number of switching positions                   | 3                                                                                                                               |
| switch position for key distraction             | I                                                                                                                               |
| 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                      | 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 |

#### Safety related data

|                                                                                                                                                   |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| proportion of dangerous failures                                                                                                                  |              |
| <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 % |
| B10 value with high demand rate according to SN 31920                                                                                             | 300 000      |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                     | 100 FIT      |

#### Ambient conditions

|                                                                                            |                                                                    |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| ambient temperature                                                                        |                                                                    |
| <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%) |

#### Environmental footprint

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| 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 |

#### 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 |

#### Approvals Certificates

|                          |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |
|--------------------------|-------------------|



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

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



[Confirmation](#)



#### Environment



#### 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=3SU1050-5BL21-0AA0-Z Y19>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BL21-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BL21-0AA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-5BL21-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5BL21-0AA0-Z Y19&lang=en)

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3/2/2024 

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