# SIEMENS

key-operated switch Siemens, 22 mm, round, plastic with metal front ring, 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, with laser labeling, upper case and lower case, always upper case at beginning of line

| | |
|---|---|
| **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 |
| **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 |
| **marking of the actuating element** | Customized labeling, text in lower case / capital letters, all lines start with capital letter |
| **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** | Metal, matt |
| **color of the front ring** | sand gray |
| **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 |

4/8/2024

| | |
|---|---|
| **reference code according to IEC 81346-2** | S |
| **Substance Prohibitance (Date)** | 10/01/2014 |

| Safety related data | |
|---|---|
| **proportion of dangerous failures** | |
| ● with low demand rate according to SN 31920 | 20 % |
| ● with high demand rate according to SN 31920 | 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** | |
| ● 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 |

## Approvals Certificates

| General Product Approval | | Test Certificates | |
|---|---|---|---|
| CSA | Confirmation | Type Test Certificates/Test Report | Special Test Certificate |
| UL | EAC | | |

| Marine / Shipping | other |
|---|---|
| ABS  LRS  PRS  RINA | 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=3SU1030-5BP01-0AA0-Z Y10

**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BP01-0AA0-Z Y10

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BP01-0AA0-Z Y10

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BP01-0AA0-Z Y10&lang=en

| | |
|---|---|
| **last modified:** | 3/2/2024 |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Siemens](#):

[A6X30139941](#)