SIEMENS

## Data sheet 3SU1000-5BC01-0AA0-Z Y12



key-operated switch Siemens, 22 mm, round, plastic, 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

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|---|---|
| **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** | 3SU1950-0FP80-0AA0 |
| **Actuator** | |
| **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** | CES |
| **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** | |
| ● acc. to IEC 60068-2-27 | Sinusoidal half-wave 50g / 11 ms |
| ● for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| **vibration resistance** | |
| ● acc. to IEC 60068-2-6 | 10 ... 500 Hz: 5g |
| ● for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| **operating frequency maximum** | 1 800 1/h |


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| mechanical service life (switching cycles) typical | 1 000 000 |
| **reference code acc. to IEC 81346-2** | S |
| **Safety related data** | |
| B10 value with high demand rate acc. to SN 31920 | 500 000 |
| **proportion of dangerous failures** | |
| ● with low demand rate acc. to SN 31920 | 20 % |
| ● with high demand rate acc. to SN 31920 | 20 % |
| failure rate [FIT] with low demand rate acc. to SN 31920 | 100 FIT |
| **T1 value for proof test interval or service life acc. to IEC 61508** | 20 y |
| **Ambient conditions** | |
| ● ambient temperature during operation | -25 ... +70 °C |
| ● ambient temperature during storage | -40 ... +80 °C |
| environmental category during operation acc. 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** | |
| **Further information** | |

**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=3SU1000-5BC01-0AA0-Z Y12
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BC01-0AA0-Z Y12
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BC01-0AA0-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=3SU1000-5BC01-0AA0-Z Y12&lang=en

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