



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, lock number S1, 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                                       | Plastic with metal front ring, matt, 22 mm |
| manufacturer's article number of included key      | <a href="#">3SU1950-0FD80-0AA0</a>         |
| <b>Actuator</b>                                    |                                            |
| 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                   | Any inscription, text in upper case        |
| number of switching positions                      | 2                                          |
| switch position for key distraction                | I                                          |
| actuating angle                                    |                                            |
| • clockwise                                        | 90°                                        |
| lock make                                          | BCS                                        |
| key number                                         | S1                                         |
| <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                                          |

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| <b>Substance Prohibitance (Date)</b>                                                                                                                                                                                            | 10/01/2014                                                         |
| <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>                                                                                                                                                                                                          | 56.3 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,...)                                                                                                                                                                       |                                                                    |
| <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                         |                                                                    |
| Industry Mall (Online ordering system)                                                                                                                                                                                          |                                                                    |
| <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5PF21-0AA0-Z Y11">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5PF21-0AA0-Z Y11</a>                             |                                                                    |
| Cax online generator                                                                                                                                                                                                            |                                                                    |
| <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1030-5PF21-0AA0-Z Y11">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1030-5PF21-0AA0-Z Y11</a> |                                                                    |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)                                                                                                                                                              |                                                                    |
| <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PF21-0AA0-Z Y11">https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PF21-0AA0-Z Y11</a>                                                               |                                                                    |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)                                                                                                                   |                                                                    |
| <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5PF21-0AA0-Z Y11&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5PF21-0AA0-Z Y11&amp;lang=en</a>                     |                                                                    |

last modified:

1/26/2022 