



Key-operated switch BKS, 22 mm, round, metal, shiny, lock number S1, with 2 keys, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, Key removal I

|   |  |
|---|--|
| <b>product brand name</b>                                 | SIRIUS ACT   |
| <b>product designation</b>                                | Key-operated switches  |
| <b>design of the product</b>                              | Actuating/signaling element  |
| <b>product type designation</b>                           | 3SU1   |
| <b>product line</b>                                       | Metal, shiny, 22 mm  |
| <b>manufacturer's article number of included key</b>      | <a href="#">3SU1950-0FD80-0AA0</a>   |
| <b>Actuator</b>   |  |
| <b>principle of operation of the actuating element</b>    | latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching |
| <b>product extension optional light source</b>            | No   |
| <b>color</b>  |  |
| • of the actuating element                                | silver   |
| <b>material of the actuating element</b>                  | metal  |
| <b>shape of the actuating element</b>                     | Key  |
| <b>outer diameter of the actuating element</b>            | 29.5 mm  |
| <b>number of switching positions</b>                      | 3  |
| <b>switch position for key distraction</b>                | I  |
| <b>actuating angle</b>                                    |  |
| • clockwise   | 45°  |
| • anticlockwise   | 45°  |
| <b>lock make</b>  | BCS  |
| <b>key number</b>   | S1   |
| <b>Front ring</b>   |  |
| <b>product component front ring</b>                       | Yes  |
| <b>design of the front ring</b>                           | Standard   |
| <b>material of the front ring</b>                         | Metal, high gloss  |
| <b>color of the front ring</b>                            | silver   |
| <b>General technical data</b>                             |  |
| <b>protection class IP</b>                                | IP66, IP67, IP69(IP69K)  |
| • of the terminal   | IP20   |
| <b>degree of protection NEMA rating</b>                   | 1, 2, 3, 3R, 4, 4X, 12, 13   |
| <b>shock resistance</b>                                   |  |
| • according to IEC 60068-2-27                             | sinusoidal half-wave 15g / 11 ms   |
| <b>vibration resistance</b>                               |  |
| • according to IEC 60068-2-6                              | 10 ... 500 Hz: 5g  |
| <b>operating frequency maximum</b>                        | 1 800 1/h  |
| <b>mechanical service life (switching cycles) typical</b> | 300 000  |
| <b>reference code according to IEC 81346-2</b>            | S  |
| <b>Substance Prohibitance (Date)</b>                      | 10/01/2014   |

| Ambient conditions   |  |
|--|--|
| <b>ambient temperature</b>   |  |
| <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%) |

| 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                             | 56.3 mm |
| installation width                          | 29.5 mm |
| installation depth                          | 25.4 mm |

| Certificates/ approvals  |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |



[Confirmation](#)



EG-Konf.

| Test Certificates | Marine / Shipping |
|-------------------|-------------------|
|-------------------|-------------------|

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



LRS



PRS



RINA

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



RMRS

[Confirmation](#)

[Environmental Confirmations](#)

### 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=3SU1050-5PN21-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5PN21-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5PN21-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-5PN21-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5PN21-0AA0&lang=en)

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