



Key-operated switch BKS, 22 mm, round, metal, shiny, lock number S1, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I, 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                                       | Metal, shiny, 22 mm                                                                            |
| manufacturer's article number of included key      | <a href="#">3SU1950-0FD80-0AA0</a>                                                             |
| Actuator                                           |                                                                                                |
| 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                   | Customized labeling, text in lower case / capital letters, all lines start with capital letter |
| number of switching positions                      | 2                                                                                              |
| switch position for key distraction                | O+I                                                                                            |
| actuating angle                                    |                                                                                                |
| • clockwise                                        | 90°                                                                                            |
| lock make                                          | BCS                                                                                            |
| key number                                         | S1                                                                                             |
| 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                                                         |
| <b>Ambient conditions</b>                                      |                                                                    |
| 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%) |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <b>Environmental footprint</b>                         |                 |
| 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 |

|                                             |         |
|---------------------------------------------|---------|
| <b>Installation/ mounting/ dimensions</b>   |         |
| 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 |

|                               |                   |
|-------------------------------|-------------------|
| <b>Approvals Certificates</b> |                   |
| General Product Approval      | Test Certificates |



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

|                   |                              |             |
|-------------------|------------------------------|-------------|
| Marine / Shipping | other                        | Environment |
|                   | <a href="#">Confirmation</a> |             |

|             |
|-------------|
| Environment |
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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a><br>Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a><br>Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5PF11-0AA0-Z Y10">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5PF11-0AA0-Z Y10</a><br>Cax online generator<br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-5PF11-0AA0-Z Y10">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-5PF11-0AA0-Z Y10</a><br>Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5PF11-0AA0-Z Y10">https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5PF11-0AA0-Z Y10</a><br>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5PF11-0AA0-Z Y10&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5PF11-0AA0-Z Y10&amp;lang=en</a> |

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