



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, 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, with laser labeling, lower 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>                                                         |
| Actuator                                           |                                                                                            |
| principle of operation of the actuating element    | latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left 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 letters                                            |
| number of switching positions                      | 3                                                                                          |
| switch position for key distraction                | I                                                                                          |
| actuating angle                                    |                                                                                            |
| • clockwise                                        | 45°                                                                                        |
| • anticlockwise                                    | 45°                                                                                        |
| 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, 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                                                                                  |

|                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                                                                     |                                                    |                                          |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| reference code according to IEC 81346-2                                                                                                                                                                                                                                                                                      | S                                                                                   |                                                                                     |                                                    |                                          |                                                                                     |
| Substance Prohibittance (Date)                                                                                                                                                                                                                                                                                               | 10/01/2014                                                                          |                                                                                     |                                                    |                                          |                                                                                     |
| Ambient conditions                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                     |                                                    |                                          |                                                                                     |
| ambient temperature <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                                                                             |                                                                                     |                                                    |                                          |                                                                                     |
| Approvals Certificates                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                     |                                                    |                                          |                                                                                     |
| General Product Approval                                                                                                                                                                                                                                                                                                     | Test Certificates                                                                   | Marine / Shipping                                                                   |                                                    |                                          |                                                                                     |
|                                                                                                                                                                                                                                             |    |    | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Special Test Certificate</a> |  |
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|                                                                                                                                                                                                                                           |  |  | <a href="#">Confirmation</a>                       |                                          |                                                                                     |
| Further information                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                     |                                                    |                                          |                                                                                     |
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| 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=3SU1030-5PN21-0AA0-Z Y12&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5PN21-0AA0-Z Y12&amp;lang=en</a> |                                                                                     |                                                                                     |                                                    |                                          |                                                                                     |

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