



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, Lock No. E2 (VW), without key, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, Key removal I+O+II, Z=50-unit packaging

|  |  |
|--|--|
| <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>                                    | Plastic with metal front ring, matt, 22 mm |
| <b>Actuator</b>  |  |
| <b>principle of operation of the actuating element</b> | latching, 2x45° (10:30 h/12 h/13:30 h)     |
| product extension optional light source                | 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>             | O+I+II                                     |
| <b>actuating angle</b>                                 |  |
| • clockwise  | 45°  |
| • anticlockwise  | 45°  |
| <b>lock make</b>                                       | BCS  |
| <b>key number</b>                                      | E2   |
| <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, matt                                |
| <b>color of the front ring</b>                         | sand gray                                  |
| <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           |
| • for railway applications according to EN 61373       | Category 1, Class B                        |
| <b>vibration resistance</b>                            |  |
| • according to IEC 60068-2-6                           | 10 ... 500 Hz: 5g                          |
| • for railway applications according to EN 61373       | Category 1, Class B                        |
| <b>operating frequency maximum</b>                     | 1 800 1/h                                  |
| mechanical service life (switching cycles) typical     | 1 000 000                                  |
| <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                 |         |
|--|---------|
| <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 |

#### 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=3SU1030-5RL11-0AA0-Z X90>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5RL11-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5RL11-0AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-5RL11-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5RL11-0AA0-Z X90&lang=en)

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