



Key-operated switch BKS, 22 mm, round, plastic, Lock No. E7 (VW), without key, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I, with laser labeling, inscription or symbol  
Customer-specific selection with SIRIUS ACT configurator (CIN)

|   |  |
|---|--|
| <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, black, 22 mm  |
| <b>Actuator</b>   |  |
| <b>principle of operation of the actuating element</b>    | latching, 90° (10:30 h/13:30 h)  |
| <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>marking of the actuating element</b>                   | Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| <b>number of switching positions</b>                      | 2  |
| <b>switch position for key distraction</b>                | O+I  |
| <b>actuating angle</b>                                    |  |
| • clockwise   | 90°  |
| <b>lock make</b>  | BCS  |
| <b>key number</b>   | E7   |
| <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>                         | plastic  |
| <b>color of the front ring</b>                            | black  |
| <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  |
| <b>mechanical service life (switching cycles) typical</b> | 1 000 000  |
| <b>reference code according to IEC 81346-2</b>            | 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,...)**  
<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-5SF11-0AA0-Z Y19>

**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5SF11-0AA0-Z Y19>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5SF11-0AA0-Z Y19>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-5SF11-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5SF11-0AA0-Z Y19&lang=en)

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