



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, Lock No. E7 (VW), without key, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O, with laser labeling, upper case and lower case, always upper case at beginning of line

|                                                           |                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| <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, 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 in upper/lower case, every line begins with upper case letter |
| <b>number of switching positions</b>                      | 2                                                                                   |
| <b>switch position for key distraction</b>                | O                                                                                   |
| <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>                         | 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                                                                           |
| <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=3SU1030-5SF01-0AA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5SF01-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5SF01-0AA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-5SF01-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5SF01-0AA0-Z Y10&lang=en)

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