



Key-operated switch BKS, 22 mm, round, plastic, special lock, with 2 keys, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O, Note: BKS locking systems E1 - E25 supplied without key

|                                                    |                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                                                                 |
| product designation                                | Key-operated switches                                                                      |
| design of the product                              | Actuating/signaling element                                                                |
| product type designation                           | 3SU1                                                                                       |
| product line                                       | Plastic, black, 22 mm                                                                      |
| Actuator                                           |                                                                                            |
| principle of operation of the actuating element    | momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right 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                                                                                    |
| number of switching positions                      | 3                                                                                          |
| switch position for key distraction                | O                                                                                          |
| actuating angle                                    |                                                                                            |
| • clockwise                                        | 45°                                                                                        |
| • anticlockwise                                    | 45°                                                                                        |
| lock make                                          | BCS                                                                                        |
| Front ring                                         |                                                                                            |
| product component front ring                       | Yes                                                                                        |
| design of the front ring                           | Standard                                                                                   |
| material of the front ring                         | plastic                                                                                    |
| color of the front ring                            | black                                                                                      |
| 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                                                         |
| <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                        | 0.787 kg                                                           |
| Global Warming Potential [CO2 eq] during manufacturing         | 0.566 kg                                                           |
| Global Warming Potential [CO2 eq] during operation             | 0.235 kg                                                           |
| Global Warming Potential [CO2 eq] after end of life            | -0.015 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                                       |                                                                    |



[Confirmation](#)



|                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Test Certificates                                                                     | Marine / Shipping                                                                     |
| <a href="#">Type Test Certificates/Test Report</a>                                    | <a href="#">Special Test Certificate</a>                                              |
|    |    |
| ABS                                                                                   | LRS                                                                                   |
|  |  |
| PRS                                                                                   | RINA                                                                                  |

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| other                        | Environment                                                                         |
| <a href="#">Confirmation</a> |  |
|                              | Siemens EcoTech                                                                     |
|                              |  |
|                              | <a href="#">Environmental Confirmations</a>                                         |

|                                                                                                                                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Further information</b>                                                                                                                                                                                                      |  |
| Information on the packaging                                                                                                                                                                                                    |  |
| <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                                                                                         |  |
| Information- and Downloadcenter (Catalogs, Brochures,...)                                                                                                                                                                       |  |
| <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                         |  |
| Industry Mall (Online ordering system)                                                                                                                                                                                          |  |
| <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-5PP01-0AA0-Z Y01">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-5PP01-0AA0-Z Y01</a>                             |  |
| Cax online generator                                                                                                                                                                                                            |  |
| <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1000-5PP01-0AA0-Z Y01">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1000-5PP01-0AA0-Z Y01</a> |  |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)                                                                                                                                                              |  |
| <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5PP01-0AA0-Z Y01">https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5PP01-0AA0-Z Y01</a>                                                               |  |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)                                                                                                                   |  |
| <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5PP01-0AA0-Z Y01&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5PP01-0AA0-Z Y01&amp;lang=en</a>                     |  |

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