



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, special lock, with 2 keys, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, key removal II

|                                                    |                                            |
|----------------------------------------------------|--------------------------------------------|
| 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 |
| <b>Actuator</b>                                    |                                            |
| principle of operation of the actuating element    | latching, 2x45° (10:30 h/12 h/13:30 h)     |
| 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                | II                                         |
| actuating angle                                    |                                            |
| • clockwise                                        | 45°                                        |
| • anticlockwise                                    | 45°                                        |
| lock make                                          | Siemens                                    |
| <b>Front ring</b>                                  |                                            |
| 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                                  |
| <b>General technical data</b>                      |                                            |
| 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 Prohibitance (Date)                      | 10/01/2014                                 |
| <b>Safety related data</b>                         |                                            |
| proportion of dangerous failures                   |                                            |

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| • with low demand rate according to SN 31920                         | 20 %    |
| • with high demand rate according to SN 31920                        | 20 %    |
| <b>B10 value with high demand rate according to SN 31920</b>         | 300 000 |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 100 FIT |

#### Ambient conditions

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <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%) |

#### 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>                             | 61 mm   |
| <b>installation width</b>                          | 29.5 mm |
| <b>installation depth</b>                          | 25.4 mm |

#### Approvals Certificates

|                                 |                          |
|---------------------------------|--------------------------|
| <b>General Product Approval</b> | <b>Test Certificates</b> |
|---------------------------------|--------------------------|



[Confirmation](#)



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

|                          |              |
|--------------------------|--------------|
| <b>Marine / Shipping</b> | <b>other</b> |
|--------------------------|--------------|



[Confirmation](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SU1030-5BL31-0AA0-Z\\_Y01](https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5BL31-0AA0-Z_Y01)

Cax online generator

[http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BL31-0AA0-Z\\_Y01](http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BL31-0AA0-Z_Y01)

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

[https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BL31-0AA0-Z\\_Y01](https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BL31-0AA0-Z_Y01)

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-5BL31-0AA0-Z\\_Y01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BL31-0AA0-Z_Y01&lang=en)

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