



key-operated switch Siemens, 22 mm, round, metal, shiny, lock no. STGH10, with 2 keys, 3 switch positions I-O<II, left latching, momentary contact type on the right, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O+I

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|---|--|
| <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>                                       | Metal, shiny, 22 mm  |
| <b>Actuator</b>   |  |
| <b>principle of operation of the actuating element</b>    | latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching |
| <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>number of switching positions</b>                      | 3  |
| <b>switch position for key distraction</b>                | O+I  |
| <b>actuating angle</b>                                    |  |
| • clockwise   | 45°  |
| • anticlockwise   | 45°  |
| <b>lock make</b>  | Siemens  |
| <b>key number</b>   | STGH10   |
| <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, high gloss  |
| <b>color of the front ring</b>                            | silver   |
| <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   |
| <b>vibration resistance</b>                               |  |
| • according to IEC 60068-2-6                              | 10 ... 500 Hz: 5g  |
| <b>operating frequency maximum</b>                        | 1 800 1/h  |
| <b>mechanical service life (switching cycles) typical</b> | 300 000  |
| <b>reference code according to IEC 81346-2</b>            | S  |
| <b>Substance Prohibitive (Date)</b>                       | 10/01/2014   |
| <b>Safety related data</b>                                |  |

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

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

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>Certificates/ approvals</b>  |                                  |
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> |



[Confirmation](#)



|                          |                          |
|--------------------------|--------------------------|
| <b>Test Certificates</b> | <b>Marine / Shipping</b> |
|--------------------------|--------------------------|

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



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



[Confirmation](#)

[Environmental Confirmations](#)

### 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?mfb=3SU1050-5LN51-0AA0>

Cax online generator

<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mfb=3SU1050-5LN51-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5LN51-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1050-5LN51-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1050-5LN51-0AA0&lang=en)

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