

Siemens  
EcoTech



key-operated switch Siemens, 22 mm, round, metal, shiny, lock no. STGH10, with 2 keys, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O, with laser labeling, lower case



|                                                    |                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                                            |
| product designation                                | Key-operated switches                                                 |
| design of the product                              | Actuating/signaling element                                           |
| product type designation                           | 3SU1                                                                  |
| product line                                       | Metal, shiny, 22 mm                                                   |
| Actuator                                           |                                                                       |
| principle of operation of the actuating element    | momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides |
| 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                                                               |
| marking of the actuating element                   | Customized labeling, text in lower case letters                       |
| number of switching positions                      | 3                                                                     |
| switch position for key distraction                | O                                                                     |
| actuating angle                                    |                                                                       |
| • clockwise                                        | 45°                                                                   |
| • anticlockwise                                    | 45°                                                                   |
| lock make                                          | Siemens                                                               |
| key number                                         | STGH10                                                                |
| Front ring                                         |                                                                       |
| product component front ring                       | Yes                                                                   |
| design of the front ring                           | Standard                                                              |
| material of the front ring                         | Metal, high gloss                                                     |
| color of the front ring                            | silver                                                                |
| 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                                      |
| vibration resistance                               |                                                                       |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                                                     |
| operating frequency maximum                        | 1 800 1/h                                                             |
| mechanical service life (operating cycles) typical | 300 000                                                               |
| reference code according to IEC 81346-2            | S                                                                     |

|                                                                      |            |
|----------------------------------------------------------------------|------------|
| Substance Prohibittance (Date)                                       | 10/01/2014 |
| <b>Safety related data</b>                                           |            |
| <b>proportion of dangerous failures</b>                              |            |
| • 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>         | 500 000    |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 100 FIT    |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <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>Environmental footprint</b>                         |                 |
| Environmental Product Declaration (EPD)                | Yes             |
| Global Warming Potential [CO2 eq] total                | 0.593 kg        |
| Global Warming Potential [CO2 eq] during manufacturing | 0.625 kg        |
| Global Warming Potential [CO2 eq] during operation     | 0.235 kg        |
| Global Warming Potential [CO2 eq] after end of life    | -0.267 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

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



[Confirmation](#)



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

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|              |                    |
|--------------|--------------------|
| <b>other</b> | <b>Environment</b> |
|--------------|--------------------|

[Confirmation](#)



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|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

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=3SU1050-5LM01-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5LM01-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5LM01-0AA0-Z Y12>

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last modified:

3/2/2024 

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