



key-operated switch Siemens, 22 mm, round, metal, shiny, special lock, with 2 keys, 2 switch positions O<I, momentary contact type, actuating angle 45°, 10:30h/12h, key removal O

|                                                       |                                                                   |
|-------------------------------------------------------|-------------------------------------------------------------------|
| 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                                               |
| <b>Actuator</b>                                       |                                                                   |
| principle of operation of the actuating element       | momentary contact, 45° (10:30 h/12 h), return from center to left |
| 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                         | 2                                                                 |
| switch position for key distraction                   | O                                                                 |
| actuating angle                                       |                                                                   |
| • clockwise                                           | 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, high gloss                                                 |
| color of the front ring                               | silver                                                            |
| <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                                  |
| vibration resistance                                  |                                                                   |
| • according to IEC 60068-2-6                          | 10 ... 500 Hz: 5g                                                 |
| operating frequency maximum                           | 1 800 1/h                                                         |
| mechanical service life (switching cycles) typical    | 300 000                                                           |
| reference code according to IEC 81346-2               | S                                                                 |
| Substance Prohibitance (Date)                         | 10/01/2014                                                        |
| <b>Safety related data</b>                            |                                                                   |
| B10 value with high demand rate according to SN 31920 | 500 000                                                           |
| proportion of dangerous failures                      |                                                                   |
| • 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                                                            |
| <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>Further information</b>                                                                                                                                                                                                                                                                                                   |                                                                    |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                                                         |                                                                    |
| Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5BC01-0AA0-Z Y01">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5BC01-0AA0-Z Y01</a>                                                                                |                                                                    |
| Cax online generator<br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-5BC01-0AA0-Z Y01">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-5BC01-0AA0-Z Y01</a>                                                                      |                                                                    |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BC01-0AA0-Z Y01">https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BC01-0AA0-Z Y01</a>                                                                                      |                                                                    |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5BC01-0AA0-Z Y01&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5BC01-0AA0-Z Y01&amp;lang=en</a> |                                                                    |

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