

Illuminable selector switch, 30 mm, round, Metal matt, black, Selector switch long, front ring for flush installation, momentary contact type, Actuating angle 45°, 10:30h/12h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

|                                                              |                                                                                               |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| product brand name                                           | SIRIUS ACT                                                                                    |
| product designation                                          | Selector switches                                                                             |
| design of the product                                        | Actuating/signaling element                                                                   |
| product type designation                                     | 3SU1                                                                                          |
| product line                                                 | Metal, matt, flat, 30 mm                                                                      |
| <b>Enclosure</b>                                             |                                                                                               |
| number of command points                                     | 1                                                                                             |
| <b>Actuator</b>                                              |                                                                                               |
| design of the actuating element                              | selector, long                                                                                |
| 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                                               | Yes                                                                                           |
| • contact module                                             | Yes                                                                                           |
| color of the actuating element                               | black                                                                                         |
| material of the actuating element                            | plastic                                                                                       |
| shape of the actuating element                               | Handle                                                                                        |
| outer diameter of the actuating element                      | 44.8 mm                                                                                       |
| marking of the actuating element                             | Customized labeling, text in lower case/capital letters, all words start with capital letters |
| number of switching positions                                | 2                                                                                             |
| actuating angle                                              |                                                                                               |
| • clockwise                                                  | 45°                                                                                           |
| <b>Front ring</b>                                            |                                                                                               |
| product component front ring                                 | Yes                                                                                           |
| design of the front ring                                     | Flat                                                                                          |
| 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)                                                                       |
| 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           | 300 000                                                                                       |
| reference code according to IEC 81346-2                      | S                                                                                             |
| Substance Prohibitance (Date)                                | 03/01/2017                                                                                    |
| Net Weight                                                   | 0.055 kg                                                                                      |
| <b>Safety related data</b>                                   |                                                                                               |
| proportion of dangerous failures                             |                                                                                               |
| • with low demand rate according to SN 31920                 | 20 %                                                                                          |
| • with high demand rate per NC contact according to SN 31920 | 20 %                                                                                          |
| • with high demand rate per NO contact according to SN 31920 | 50 %                                                                                          |
| <b>B10 value with high demand rate according to SN 31920</b> | <b>500 000</b>                                                                                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| failure rate [FIT] with low demand rate per NC contact according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100 FIT                                                                                                               |
| IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |
| T1 value for proof test interval or service life according to IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20 a                                                                                                                  |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |
| ambient temperature <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -25 ... +70 °C<br>-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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |
| height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44.8 mm                                                                                                               |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44.8 mm                                                                                                               |
| shape of the installation opening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | round                                                                                                                 |
| mounting diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30.5 mm                                                                                                               |
| positive tolerance of installation diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.5 mm                                                                                                                |
| mounting height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 22.1 mm                                                                                                               |
| installation width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44.8 mm                                                                                                               |
| installation depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32.1 mm                                                                                                               |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                       |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Test Certificates                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Type Test Certificates/Test Report</a><br><a href="#">Special Test Certificate</a>                        |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | other                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Confirmation</a><br> |
| <b>Environment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                       |
| <a href="#">Environmental Conformations</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                       |
| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                       |
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a><br>Information for data generation and storage<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a><br>Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a><br>Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1062-2EC10-0AA0-Z Y15">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1062-2EC10-0AA0-Z Y15</a><br>Cax online generator<br><a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1062-2EC10-0AA0-Z Y15">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1062-2EC10-0AA0-Z Y15</a><br>Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1062-2EC10-0AA0-Z Y15">https://support.industry.siemens.com/cs/ww/en/ps/3SU1062-2EC10-0AA0-Z Y15</a><br>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br><a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1062-2EC10-0AA0-Z Y15&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1062-2EC10-0AA0-Z Y15&amp;lang=en</a> |                                                                                                                       |

last modified:

5/21/2025 