



LED module with integrated LED 6-24 V AC/DC, red, spring-type terminal, for floor mounting, Z=50-unit packaging

|                                                      |                                    |
|------------------------------------------------------|------------------------------------|
| product brand name                                   | SIRIUS ACT                         |
| product designation                                  | LED module                         |
| product type designation                             | 3SU1                               |
| <b>General technical data</b>                        |                                    |
| product component                                    |                                    |
| • diode                                              | Yes                                |
| • lamp transformer                                   | No                                 |
| • light source                                       | Yes                                |
| • series resistor                                    | No                                 |
| insulation voltage rated value                       | 320 V                              |
| degree of pollution                                  | 3                                  |
| type of voltage of the operating voltage             | AC/DC                              |
| • for actuation                                      | AC/DC                              |
| surge voltage resistance rated value                 | 4 kV                               |
| consumed current maximum                             | 30 mA                              |
| protection class IP                                  |                                    |
| • of the enclosure                                   | IP40                               |
| • of the terminal                                    | IP20                               |
| 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 period typical                             | 100 000 h                          |
| reference code according to IEC 81346-2              | P                                  |
| Substance Prohibition (Date)                         | 03/01/2017                         |
| operating voltage                                    |                                    |
| • at AC                                              |                                    |
| — at 50 Hz rated value                               | 6 ... 24 V                         |
| — at 60 Hz rated value                               | 6 ... 24 V                         |
| • at DC rated value                                  | 6 ... 24 V                         |
| relative positive tolerance of the operating voltage | 20 %                               |
| relative negative tolerance of the operating voltage | 20 %                               |
| <b>Control circuit/ Control</b>                      |                                    |
| inrush current maximum                               | 2 A                                |
| <b>Connections/ Terminals</b>                        |                                    |
| type of electrical connection                        | spring-loaded terminals            |
| type of connectable conductor cross-sections         |                                    |
| • solid without core end processing                  | 2x (0.25 ... 1.5 mm <sup>2</sup> ) |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2x (0.25 ... 0.75 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16)                |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |
| <b>type of light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LED                                                                                                        |
| <b>color of the light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | red                                                                                                        |
| <b>light intensity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 450 ... 1 120 mcd                                                                                          |
| <b>certificate of suitability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                            |
| <ul style="list-style-type: none"> <li>ATEX</li> <li>IECEx</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No<br>No                                                                                                   |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |
| <b>ambient temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                            |
| <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%, no condensation in operation permitted) |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                            |
| <ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Floor mounting                                                                                             |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 36 mm                                                                                                      |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9.8 mm                                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 29.4 mm                                                                                                    |
| <b>suitability for integration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                            |
| <ul style="list-style-type: none"> <li>plastic enclosure</li> <li>metal enclosure</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes<br>Yes                                                                                                 |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                            |
| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                            |
| <p><b>Siemens has decided to exit the Russian market (see here).</b><br/> <a href="https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business">https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business</a></p> <p><b>Siemens is working on the renewal of the current EAC certificates.</b><br/> Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).</p> <p><b>Information on the packaging</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p><b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p><b>Industry Mall (Online ordering system)</b><br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BG20-3AA0-Z X90">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BG20-3AA0-Z X90</a></p> <p><b>Cax online generator</b><br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-2BG20-3AA0-Z X90">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-2BG20-3AA0-Z X90</a></p> <p><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BG20-3AA0-Z X90">https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BG20-3AA0-Z X90</a></p> <p><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BG20-3AA0-Z X90&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BG20-3AA0-Z X90&amp;lang=en</a></p> |                                                                                                            |



