



LED module with integrated LED 110 V AC, green, spring-type terminal, for floor mounting, Z=50-unit packaging

|   |                                    |
|---|------------------------------------|
| <b>product brand name</b>                                   | SIRIUS ACT                         |
| <b>product designation</b>                                  | LED module                         |
| <b>product type designation</b>                             | 3SU1                               |
| <b>General technical data</b>                               |                                    |
| <b>product component</b>                                    |                                    |
| • diode   | Yes                                |
| • lamp transformer  | No                                 |
| • light source  | Yes                                |
| • series resistor   | No                                 |
| insulation voltage rated value                              | 320 V                              |
| <b>degree of pollution</b>                                  | 3                                  |
| type of voltage of the operating voltage                    | AC                                 |
| • for actuation   | AC                                 |
| <b>surge voltage resistance rated value</b>                 | 4 kV                               |
| consumed current maximum                                    | 20 mA                              |
| protection class IP   |                                    |
| • of the enclosure  | IP40                               |
| • of the terminal   | IP20                               |
| <b>shock resistance</b>                                     |                                    |
| • according to IEC 60068-2-27                               | sinusoidal half-wave 15g / 11 ms   |
| • for railway applications according to EN 61373            | Category 1, Class B                |
| <b>vibration resistance</b>                                 |                                    |
| • according to IEC 60068-2-6                                | 10 ... 500 Hz: 5g                  |
| • for railway applications according to EN 61373            | Category 1, Class B                |
| <b>operating period typical</b>                             | 100 000 h                          |
| <b>reference code according to IEC 81346-2</b>              | P                                  |
| <b>Substance Prohibitance (Date)</b>                        | 03/01/2017                         |
| <b>operating voltage 1</b>                                  |                                    |
| • at AC   |                                    |
| — at 50 Hz rated value                                      | 110 V                              |
| — at 60 Hz rated value                                      | 110 V                              |
| <b>relative positive tolerance of the operating voltage</b> | 20 %                               |
| <b>relative negative tolerance of the operating voltage</b> | 20 %                               |
| <b>Control circuit/ Control</b>                             |                                    |
| <b>inrush current maximum</b>                               | 3 A                                |
| <b>Connections/ Terminals</b>                               |                                    |
| <b>type of electrical connection</b>                        | spring-loaded terminals            |
| <b>type of connectable conductor cross-sections</b>         |                                    |
| • 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>at 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>   | green  |
| <b>light intensity</b>   | 900 ... 1 400 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>   |  |

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BC40-3AA0-Z X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BC40-3AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BC40-3AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-2BC40-3AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BC40-3AA0-Z X90&lang=en)

last modified:

3/9/2022 