

LED module with integrated LED, 24-240 V AC/DC, green, spring-type terminal, for front plate mounting



|                          |            |
|--------------------------|------------|
| Product brand name       | SIRIUS ACT |
| Product designation      | LED module |
| Product type designation | 3SU1       |

General technical data

|   |  |
|---|--|
| <b>Product component</b> <ul style="list-style-type: none"> <li>• diode</li> <li>• lamp transformer</li> <li>• Light source</li> <li>• series resistor</li> </ul> | <ul style="list-style-type: none"> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul> |
| <b>Insulation voltage</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>   | 320 V  |
| <b>Degree of pollution</b>  | 3  |
| <b>Type of voltage</b> <ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• for actuation</li> </ul>                                      | <ul style="list-style-type: none"> <li>AC/DC</li> <li>AC/DC</li> </ul>                     |
| <b>Surge voltage resistance rated value</b>   | 4 kV   |
| <b>Consumed current</b> <ul style="list-style-type: none"> <li>• maximum</li> </ul>   | 20 mA  |
| <b>Protection class IP</b>  |  |

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the terminal</li> </ul>  | <p>IP40</p> <p>IP20</p>   |
| <b>Shock resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>  | <p>Sinusoidal half-wave 50 g / 11 ms</p> <p>Category 1, Class B</p> |
| <b>Vibration resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>   | <p>10 ... 500 Hz: 5g</p> <p>Category 1, Class B</p>                 |
| <b>Operating period typical</b>  | 100 000 h   |
| <b>Reference code acc. to DIN EN 81346-2</b>   | P   |
| <b>Reference code acc. to DIN EN 61346-2</b>   | P   |
| <b>Operating voltage</b> <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul> | <p>24 ... 240 V</p> <p>24 ... 240 V</p> <p>24 ... 240 V</p>         |
| <b>Relative positive tolerance of the operating voltage</b>  | 20 %  |
| <b>Relative negative tolerance of the operating voltage</b>  | 30 %  |

#### Control circuit/ Control

|                               |     |
|-------------------------------|-----|
| <b>Inrush current maximum</b> | 3 A |
|-------------------------------|-----|

#### Connections/ Terminals

|   |  |
|---|--|
| <b>Type of electrical connection</b>  | spring-loaded terminals  |
| <b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG conductors</li> </ul> | <p>2x (0.25 ... 1.5 mm<sup>2</sup>)</p> <p>2x (0.25 ... 0.75 mm<sup>2</sup>)</p> <p>2x (0.25 ... 1.5 mm<sup>2</sup>)</p> <p>2x (24 ... 16)</p> |

#### Lamp

|   |                     |
|---|---------------------|
| <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> | <p>No</p> <p>No</p> |

#### Ambient conditions




|   |   |
|---|---|
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | <p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>   |
| Environmental category during operation acc. to IEC 60721   | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted) |




## Installation/ mounting/ dimensions

|                              |                      |
|------------------------------|----------------------|
| <b>Mounting type</b>         | Front plate mounting |
| • of modules and accessories |                      |
| <b>Height</b>                | 36 mm                |
| <b>Width</b>                 | 9.8 mm               |
| <b>Depth</b>                 | 29.4 mm              |

## Certificates/ approvals

|  |  |   |
|--|--|---|
| <b>General Product Approval</b>  | <b>EMC</b>   | <b>Declaration of Conformity</b>  |
| <br>CCC | <br>UL  | <br>EG-Konf. |
| <br>CSA | <br>EAC | <br>RCM      |

|                                  |  |  |
|----------------------------------|--|--|
| <b>Declaration of Conformity</b> | <b>Test Certificates</b>   | <b>Marine / Shipping</b>   |
| <a href="#">Miscellaneous</a>    | <a href="#">Special Test Certificate</a>   | <a href="#">Type Test Certificates/Test Report</a>   |
|                                  | <br>ABS | <br>LRS |
|                                  |  | <br>PRS |

|   |                              |
|---|------------------------------|
| <b>Marine / Shipping</b>  | <b>other</b>                 |
| <br>RINA                   | <a href="#">Confirmation</a> |
| <br>RMRS                   |                              |
| <br>DNV-GL<br>DNVGL.COM/AF |                              |

## Further information

**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=3SU1401-1BH40-3AA0>

**Cax online generator**

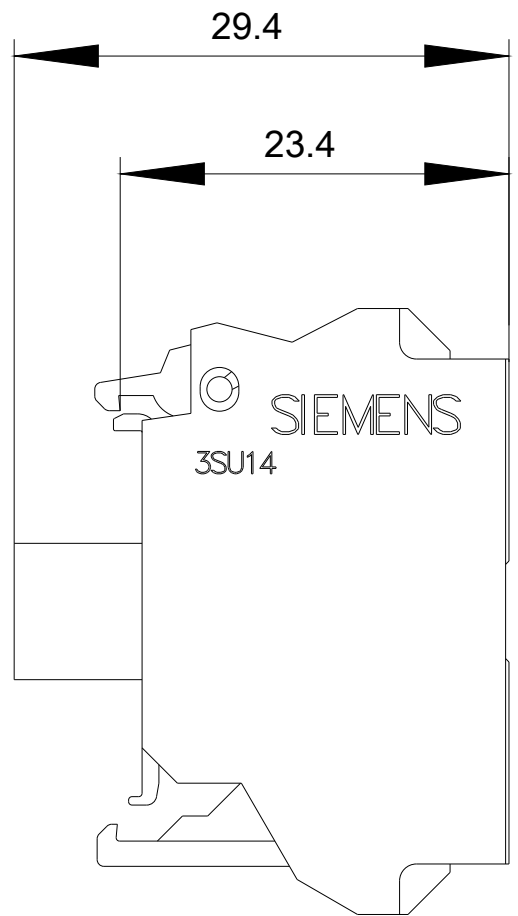
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH40-3AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH40-3AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BH40-3AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH40-3AA0&lang=en)



24-240 V AC/DC

-P



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03/10/2020