











Siemens  
EcoTech



LED module with integrated LED, 24-240 V AC/DC, white, screw terminal, for front plate mounting



|  |  |
|--|--|
| 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                             | 20 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 Prohibitance (Date)                        | 10/01/2014   |
| SVHC substance name                                  | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8 |
| Weight   | 10 g   |
| operating voltage                                    |  |
| • at AC  |  |
| — at 50 Hz rated value                               | 24 ... 240 V   |
| — at 60 Hz rated value                               | 24 ... 240 V   |
| • at DC rated value                                  | 24 ... 240 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  | 3 A  |
| <b>Connections/ Terminals</b>   |  |
| type of electrical connection   | screw terminal   |
| type of connectable conductor cross-sections  |  |
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• for AWG cables</li> </ul>  | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1,0 ... 1,5 mm <sup>2</sup> )<br>2x (18 ... 14)  |
| connectable conductor cross-section finely stranded with core end processing  | 0.5 ... 1.5 mm <sup>2</sup>  |
| tightening torque with screw-type terminals   | 0.8 ... 0.9 N·m  |
| <b>Lamp</b>   |  |
| type of light source  | LED  |
| color of the light source   | white  |
| light intensity   | 900 ... 1 400 mcd  |
| <b>ATEX</b>   |  |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul>   | No<br>No   |
| <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%, no condensation in operation permitted)   |
| <b>Environmental footprint</b>  |  |
| Environmental Product Declaration (EPD)   | Yes  |
| global warming potential [CO2 eq] total   | 0.787 kg   |
| global warming potential [CO2 eq] during manufacturing  | 0.566 kg   |
| global warming potential [CO2 eq] during operation  | 0.235 kg   |
| global warming potential [CO2 eq] after end of life   | -0.015 kg  |
| Siemens Eco Profile (SEP)   | Siemens EcoTech  |
| <b>Installation/ mounting/ dimensions</b>   |  |
| fastening method  |  |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>  | Front plate mounting   |
| height  | 33.2 mm  |
| width   | 9.8 mm   |
| depth   | 29.4 mm  |
| <b>Approvals Certificates</b>   |  |
| General Product Approval  | EMV  |
|       |  |
| <b>Test Certificates</b>  |  |
| <a href="#">Type Test Certificates/Test Report</a><br><a href="#">Special Test Certificate</a>  | <b>Maritime application</b><br>    |
| other   | Environment  |



[Confirmation](#)



Siemens  
EcoTech



[Environmental Con-  
firmations](#)

#### Further information

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**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=3SU1401-1BH60-1AA0>

**Cax online generator**

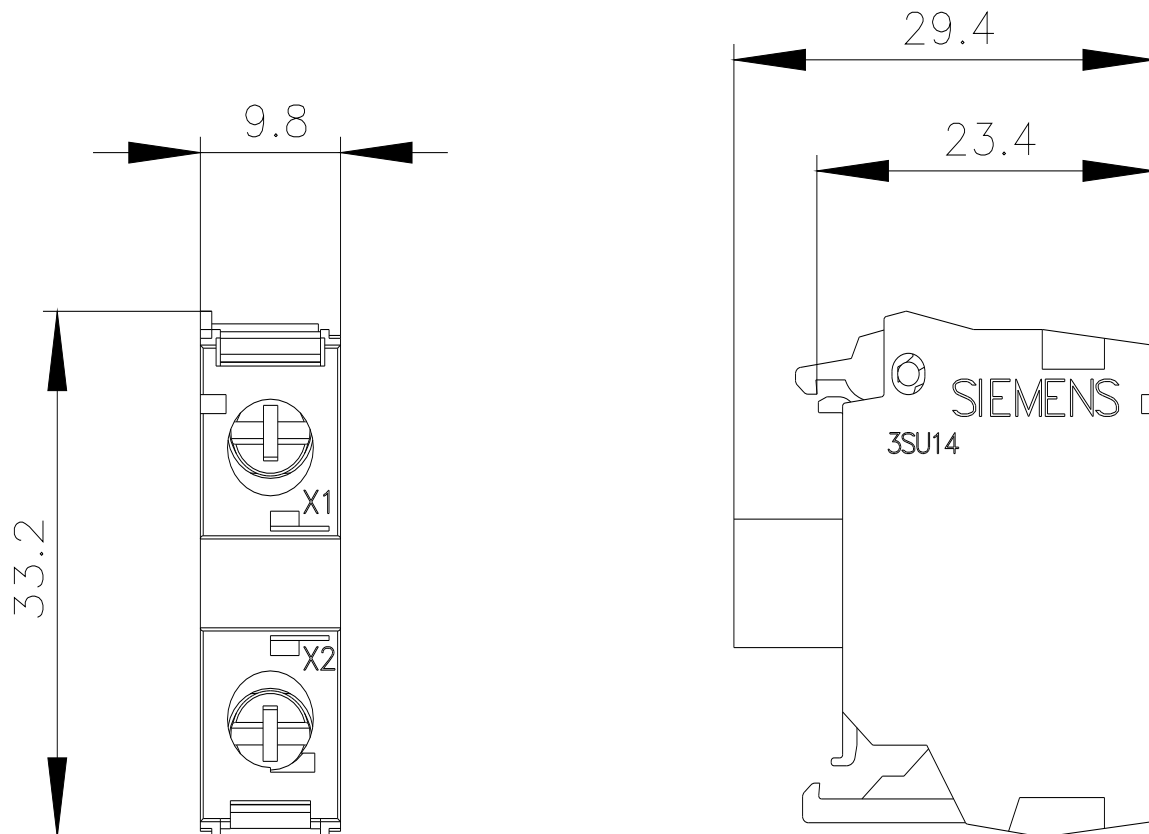
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH60-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH60-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BH60-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH60-1AA0&lang=en)





last modified:

4/2/2025 