



LED module with integrated LED 230 V AC, white, screw terminal, for front plate mounting

|   |   |
|---|---|
| <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>  |   |
| <ul style="list-style-type: none"> <li>• diode</li> <li>• lamp transformer</li> <li>• light source</li> <li>• series resistor</li> </ul>  | Yes<br>No<br>Yes<br>No                                  |
| insulation voltage rated value  | 320 V   |
| <b>degree of pollution</b>  | 3   |
| type of voltage of the operating voltage  | AC  |
| <ul style="list-style-type: none"> <li>• for actuation</li> </ul>   | AC  |
| <b>surge voltage resistance rated value</b>   | 4 kV  |
| consumed current maximum  | 20 mA   |
| protection class IP   |   |
| <ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the terminal</li> </ul>   | IP40<br>IP20  |
| <b>shock resistance</b>   |   |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> <li>• for railway applications according to EN 61373</li> </ul>   | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B |
| <b>vibration resistance</b>   |   |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>  | 10 ... 500 Hz: 5g<br>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>  | 10/01/2014  |
| <b>operating voltage 1</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> </ul> | 230 V<br>230 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>   |   |
| inrush current maximum  | 3 A   |
| <b>Connections/ Terminals</b>   |   |
| <b>type of electrical connection</b>  | screw-type terminals                                    |
| <b>type of connectable conductor cross-sections</b>   |   |
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> </ul>  | 2x (0.5 ... 0.75 mm <sup>2</sup> )                      |

|   |   |
|---|---|
| <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 cables</li> </ul> | 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) |
| tightening torque with screw-type terminals   | 0.8 ... 0.9 N·m   |

| Lamp  |                   |
|---|-------------------|
| type of light source  | LED               |
| color of the light source   | white             |
| light intensity   | 900 ... 1 400 mcd |
| certificate of suitability  |                   |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEX</li> </ul> | No<br>No          |

| Ambient conditions   |  |
|--|--|
| 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) |

| Installation/ mounting/ dimensions   |                      |
|--|----------------------|
| 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              |
| suitability for integration  |                      |
| <ul style="list-style-type: none"> <li>• plastic enclosure</li> <li>• metal enclosure</li> </ul> | Yes<br>Yes           |

| Certificates/ approvals  |     |
|--------------------------|-----|
| General Product Approval | EMC |



[Confirmation](#)



| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|
|---------------------------|-------------------|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|



[Confirmation](#)

[Environmental Confirmations](#)

| 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?mfb=3SU1401-1BF60-1AA0>

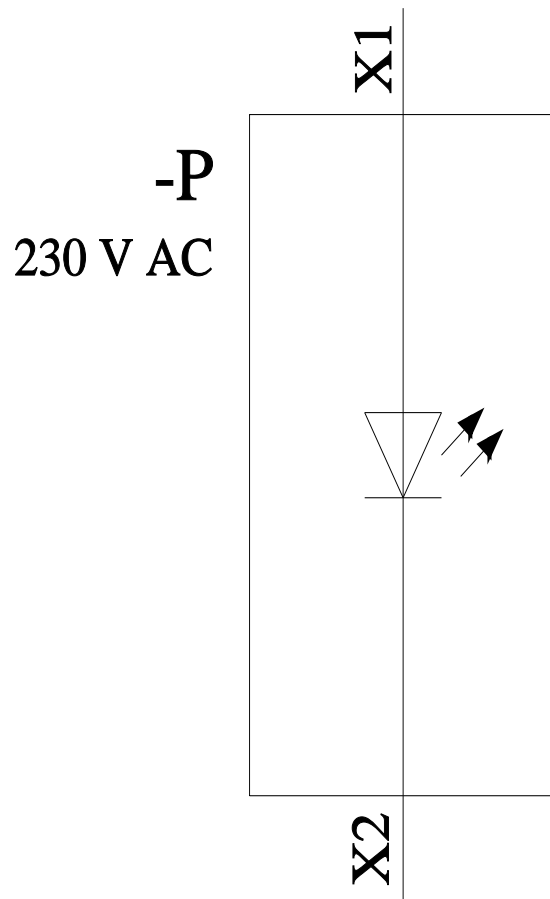
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1401-1BF60-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF60-1AA0>

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



last modified:

3/9/2022 