



LED module with integrated LED 110 V AC, white, screw 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>                                    |                                  |
| • 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>                        | 10/01/2014                       |
| <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 %                             |

### Control circuit/ Control

|                        |     |
|------------------------|-----|
| inrush current maximum | 3 A |
|------------------------|-----|

### Connections/ Terminals

|                                                     |                       |
|-----------------------------------------------------|-----------------------|
| <b>type of electrical connection</b>                | screw-type terminals  |
| <b>type of connectable conductor cross-sections</b> |                       |
| • solid with core end processing                    | 2x (0.5 ... 0.75 mm²) |
| • solid without core end processing                 | 2x (1.0 ... 1.5 mm²)  |
| • finely stranded with core end processing          | 2x (0.5 ... 1.5 mm²)  |

|                                                                                                                      |                      |
|----------------------------------------------------------------------------------------------------------------------|----------------------|
| <ul style="list-style-type: none"> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul> | 2x (1,0 ... 1,5 mm²) |
| tightening torque with screw-type terminals                                                                          | 2x (18 ... 14)       |
|                                                                                                                      | 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                |
|                                                                       | 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 |
|-------------------|-------|



[Environmental Confirmations](#)

[Confirmation](#)

#### 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=3SU1401-1BC60-1AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC60-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC60-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BC60-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC60-1AA0&lang=en)



