

LED module with integrated LED 24 V AC/DC, red, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof



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

### General technical data

|                                          |       |
|------------------------------------------|-------|
| 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 |
| • of the operating voltage for actuation | AC/DC |
| surge voltage resistance rated value     | 4 kV  |
| consumed current                         |       |
| • maximum                                | 25 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>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>                                                              | Sinusoidal half-wave 50g / 11 ms<br>Category 1, Class B |
| <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>                                                               | 10 ... 500 Hz: 5g<br>Category 1, Class B                |
| <b>operating period typical</b>                                                                                                                                                                  | 100 000 h                                               |
| <b>reference code acc. to DIN EN 81346-2</b>                                                                                                                                                     | P                                                       |
| <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> <li>• at DC rated value</li> </ul> | 24 V<br>24 V<br>24 V                                    |
| <b>relative positive tolerance of the operating voltage</b>                                                                                                                                      | 20 %                                                    |
| <b>relative negative tolerance of the operating voltage</b>                                                                                                                                      | 20 %                                                    |

#### Control circuit/ Control

|                               |     |
|-------------------------------|-----|
| <b>inrush current maximum</b> | 2 A |
|-------------------------------|-----|

#### Connections/ Terminals

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> <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> | 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) |
| <b>tightening torque</b>                                                                                                                                                                                                                                                |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>                                                                                                                                                                                           | 0.8 ... 0.9 N·m                                                                                                                                                     |

#### Lamp

|                                                                           |                   |
|---------------------------------------------------------------------------|-------------------|
| <b>type of light source</b>                                               | LED               |
| <b>color of the light source</b>                                          | red               |
| <b>light intensity</b>                                                    | 450 ... 1 120 mcd |
| <b>certificate of suitability</b>                                         |                   |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul> | No<br>No          |

#### Ambient conditions

|                                                           |                                                                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 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

|                              |                      |
|------------------------------|----------------------|
| mounting type                |                      |
| • of modules and accessories | Front plate mounting |
| height                       | 33.2 mm              |
| width                        | 9.8 mm               |
| depth                        | 29.4 mm              |

#### Certificates/ approvals

|                          |     |                           |
|--------------------------|-----|---------------------------|
| General Product Approval | EMC | Declaration of Conformity |
|--------------------------|-----|---------------------------|



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

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[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=3SU1401-1BB20-1AA0>

**Cax online generator**

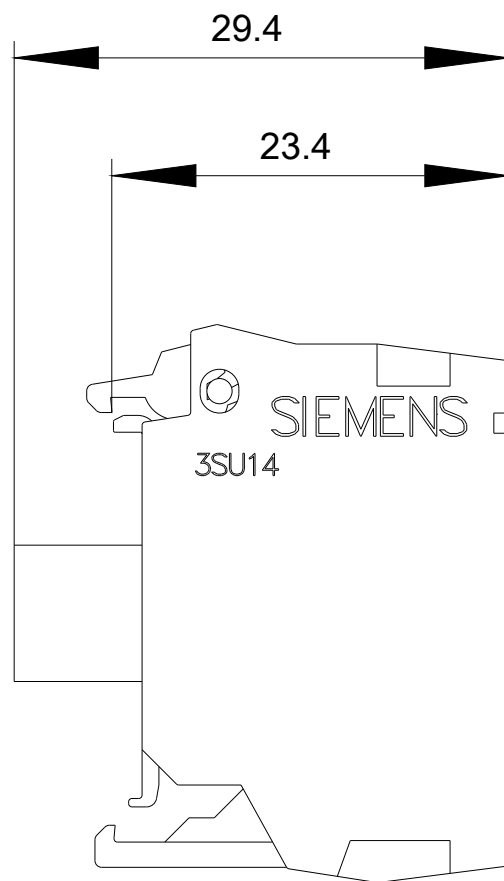
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB20-1AA0>

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

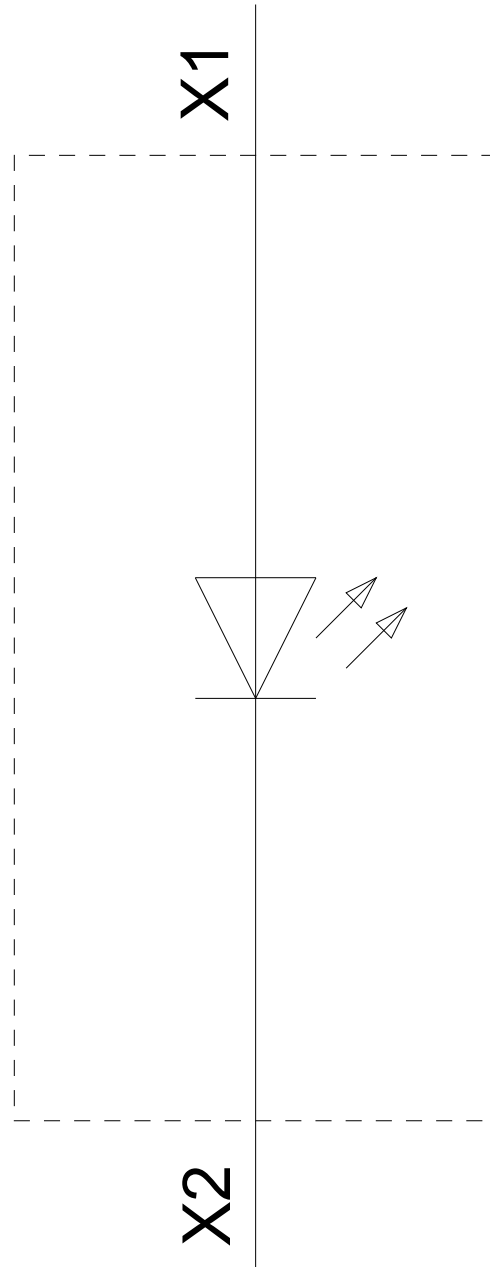
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB20-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB20-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB20-1AA0&lang=en)



24 V AC/DC  
-P



last modified:

09/25/2020