

LED module with integrated LED 24 V AC/DC, blue, screw terminal, for front plate mounting, ATEX Zone 21-22 dust protection



|                                      |            |
|--------------------------------------|------------|
| 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      |
| • for actuation                      | AC/DC      |
| Surge voltage resistance rated value | 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>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>                                                              | Sinusoidal half-wave 50 g / 11 ms<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>Reference code acc. to DIN EN 61346-2</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 mm²)<br>2x (1.0 ... 1.5 mm²)<br>2x (0.5 ... 1.5 mm²)<br>2x (1,0 ... 1,5 mm²)<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> | blue            |
| <b>Light intensity</b>           | 280 ... 710 mcd |

#### Ambient conditions

|                                                                                                |                                                                                                        |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Ambient temperature</b>                                                                     |                                                                                                        |
| <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 acc. to IEC 60721                                      | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted) |
| <b>Explosion protection category for dust</b>                                                  | II 2D ex tb IIIC T120 °C Db                                                                            |

#### Installation/ mounting/ dimensions

|                      |  |
|----------------------|--|
| <b>Mounting type</b> |  |
|----------------------|--|

- 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                                                           |                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|  |  |  |  |  | <a href="#">Miscellaneous</a> |
| CCC                                                                               | CSA                                                                               |                                                                                   | RCM                                                                               | EG-Konf.                                                                            |                               |

| Test Certificates | Marine / Shipping |  |  |  |  |
|-------------------|-------------------|--|--|--|--|
|-------------------|-------------------|--|--|--|--|

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS



RINA



RMRS

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



[Confirmation](#)

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB50-1AA1>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB50-1AA1>

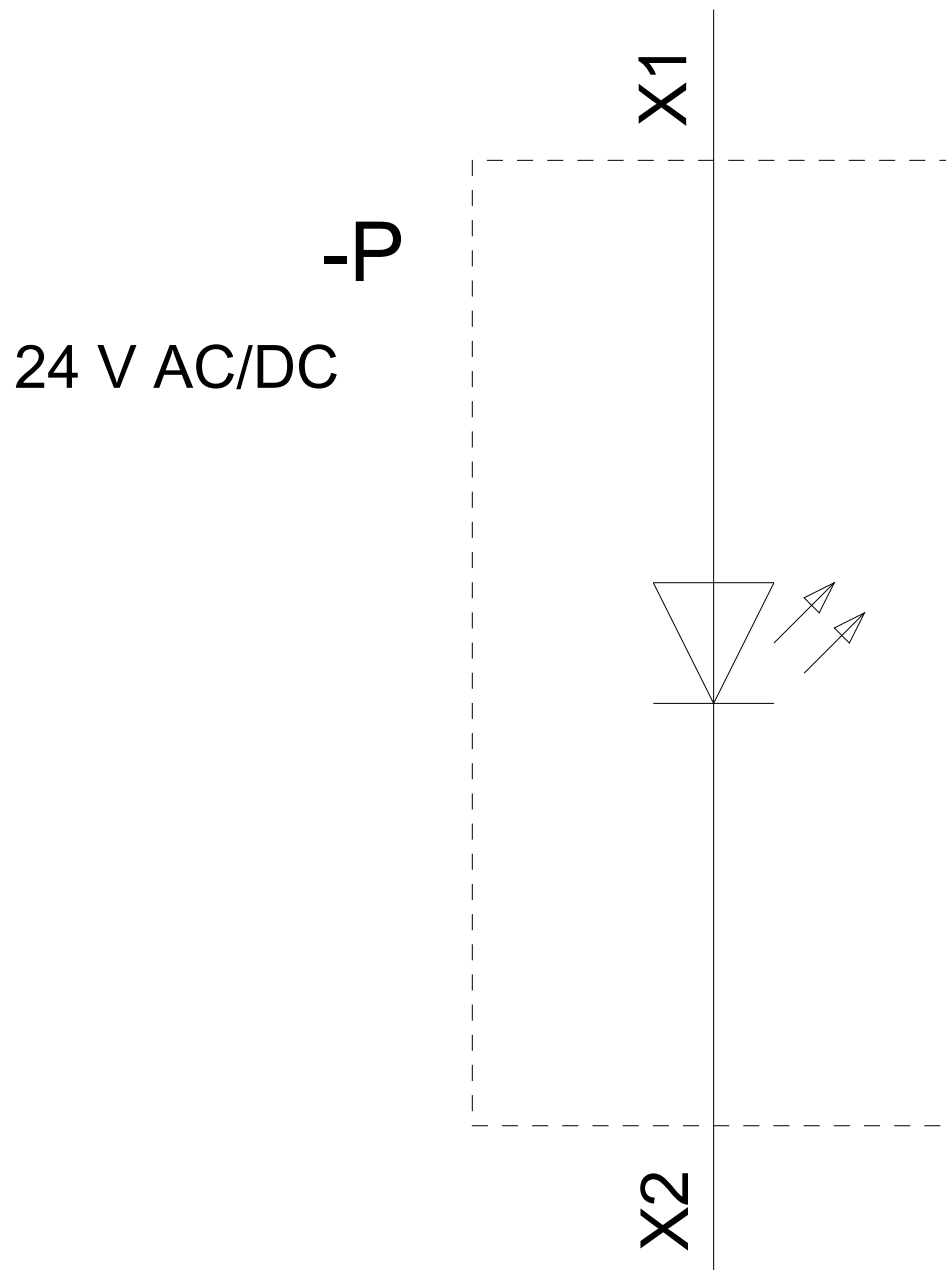
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-1AA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB50-1AA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-1AA1&lang=en)





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