

LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN,  
SCREW TERMINAL, FOR FRONT PLATE MOUNTING



Figure similar

|                                      |            |
|--------------------------------------|------------|
| 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                             |
| <b>Protection class IP</b>                      |                                   |
| • of the enclosure                              | IP40                              |
| • of the terminal                               | IP20                              |
| <b>Shock resistance</b>                         |                                   |
| • acc. to IEC 60068-2-27                        | Sinusoidal half-wave 50 g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B               |
| <b>Vibration resistance</b>                     |                                   |
| • acc. to IEC 60068-2-6                         | 10 ... 500 Hz: 5g                 |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B               |
| <b>Operating period typical</b>                 | 100 000 h                         |
| <b>Equipment marking</b>                        |                                   |
| • acc. to DIN EN 61346-2                        | P                                 |
| • acc. to DIN EN 81346-2                        | P                                 |

#### Main circuit

|                                                             |              |
|-------------------------------------------------------------|--------------|
| <b>Operating voltage</b>                                    |              |
| • 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 |
| <b>Relative positive tolerance of the operating voltage</b> | 20 %         |
| <b>Relative negative tolerance of the operating voltage</b> | 20 %         |

#### 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 mm <sup>2</sup> ) |
| • solid without core end processing                 | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing          | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded without core end processing       | 2x (1,0 ... 1,5 mm <sup>2</sup> )  |
| • at AWG conductors                                 | 2x (18 ... 14)                     |
| <b>Tightening torque</b>                            |                                    |
| • with screw-type terminals                         | 0.8 ... 0.9 N·m                    |

#### Lamp

|                                  |                   |
|----------------------------------|-------------------|
| <b>Type of light source</b>      | LED               |
| <b>Color of the light source</b> | green             |
| <b>Light intensity</b>           | 900 ... 1 400 mcd |

#### Ambient conditions

|                            |                |
|----------------------------|----------------|
| <b>Ambient temperature</b> |                |
| • during operation         | -25 ... +70 °C |

|                                                           |                                                                                                        |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| • during storage                                          | -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) |

#### Installation/ mounting/ dimensions

|                              |                      |
|------------------------------|----------------------|
| <b>Mounting type</b>         |                      |
| • of modules and accessories | Front plate mounting |
| <b>Height</b>                | 33.2 mm              |
| <b>Width</b>                 | 9.8 mm               |
| <b>Depth</b>                 | 29.4 mm              |

#### Certificates/approvals

| General Product Approval                                                                 |                                                                                          |                                                                                         |                                                                                          | Declaration of Conformity                                                                       | Test Certificates                                            |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <br>CCC | <br>CSA | <br>UL | <br>EAC | <br>EG-Konf. | <a href="#">Declaration of the Compliance with the order</a> |

| Test Certificates                        | other                        |
|------------------------------------------|------------------------------|
| <a href="#">Special Test Certificate</a> | <a href="#">Confirmation</a> |

#### 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=3SU1401-1BH40-1AA0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH40-1AA0>

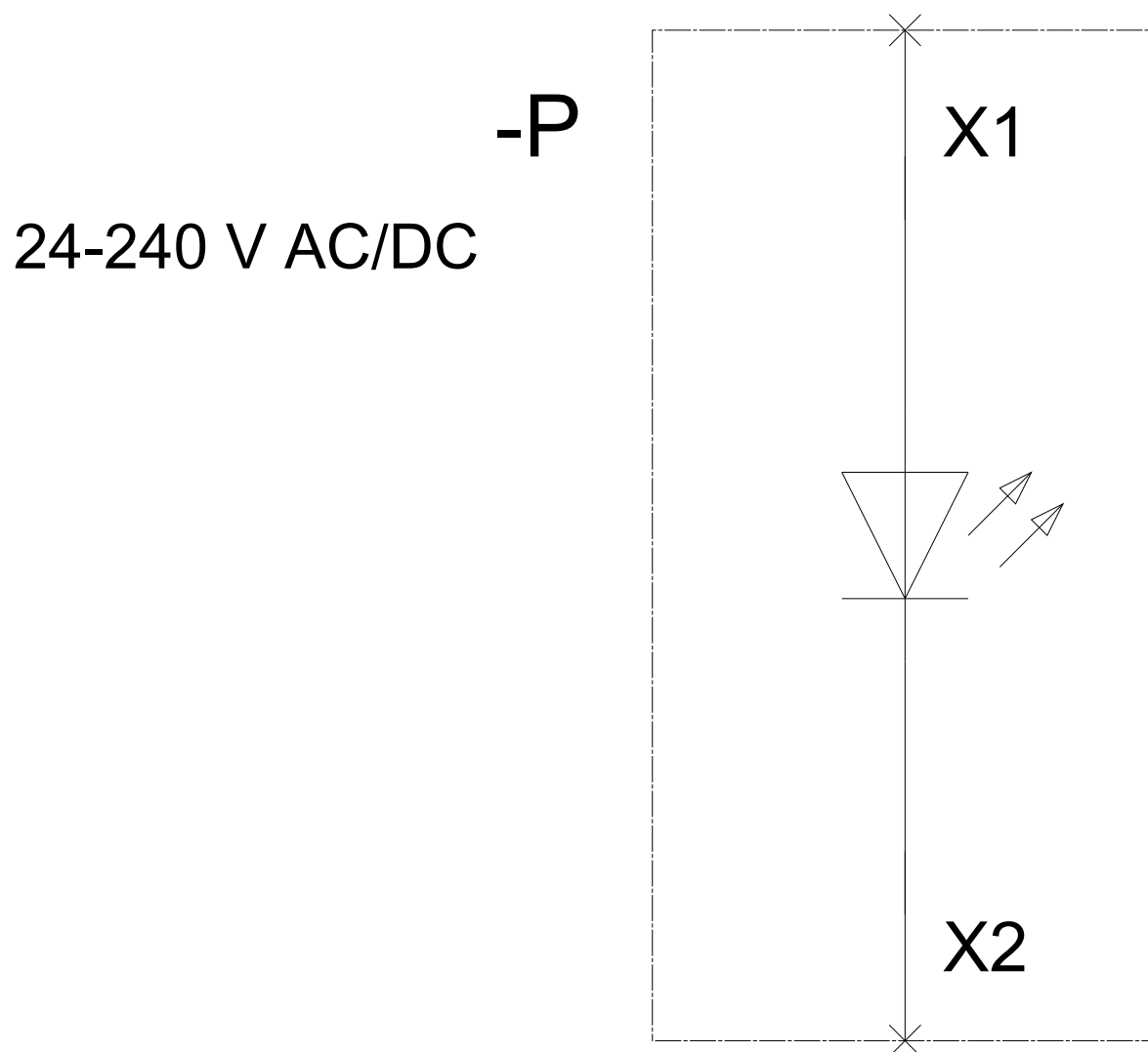
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH40-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BH40-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH40-1AA0&lang=en)





last modified:

07/10/2017