



LED module w. indicator lights With integrated LED 24 V DC, red-yellow-green, spring-loaded terminal, for front plate mounting

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|--|--|
| <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>                         |  |
| • diode  | Yes  |
| • lamp transformer                               | No   |
| • light source                                   | Yes  |
| • series resistor                                | No   |
| <b>insulation voltage rated value</b>            | 320 V  |
| <b>degree of pollution</b>                       | 3  |
| type of voltage of the operating voltage         | AC/DC  |
| • for actuation                                  | AC/DC  |
| <b>surge voltage resistance rated value</b>      | 4 kV   |
| consumed current maximum                         | 25 mA  |
| <b>protection class IP</b>                       |  |
| • of the enclosure                               | IP40   |
| • of the terminal                                | IP20   |
| <b>shock resistance</b>                          |  |
| • according to IEC 60068-2-27                    | sinusoidal half-wave 15 g / 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: 5 g   |
| • 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>SVHC substance name</b>                       | Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) CAS-No. 3147-75-9<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1 |
| <b>Net Weight</b>                                | 15 g   |
| <b>operating voltage 1</b>                       |  |
| • at AC  |  |
| — at 50 Hz rated value                           | 24 V   |

|   |      |
|---|------|
| • at DC rated value   | 24 V |
| <b>relative positive tolerance of the operating voltage</b> | 20 % |
| <b>relative negative tolerance of the operating voltage</b> | 10 % |

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

|  |                                     |
|--|-------------------------------------|
| <b>Connections/ Terminals</b>  |                                     |
| <b>type of electrical connection</b>   | spring-loaded terminals             |
| <b>type of connectable conductor cross-sections</b>                          |                                     |
| • solid without core end processing  | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing                                   | 2x (0.25 ... 0.75 mm <sup>2</sup> ) |
| • finely stranded without core end processing                                | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • for AWG cables   | 2x (24 ... 16)                      |
| connectable conductor cross-section finely stranded with core end processing | 0.25 ... 0.75 mm <sup>2</sup>       |

|                                  |                   |
|----------------------------------|-------------------|
| <b>Lamp</b>                      |                   |
| <b>type of light source</b>      | LED               |
| <b>color of the light source</b> | red/yellow/ green |

|                                   |    |
|-----------------------------------|----|
| <b>ATEX</b>                       |    |
| <b>certificate of suitability</b> |    |
| • ATEX                            | No |
| • IECEx                           | No |

|  |   |
|--|---|
| <b>Ambient conditions</b>                                      |   |
| <b>ambient temperature</b>                                     |   |
| • during operation   | -25 ... +70 °C  |
| • during storage   | -40 ... +80 °C  |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted) |

|   |                      |
|---|----------------------|
| <b>Installation/ mounting/ dimensions</b> |                      |
| <b>fastening method</b>                   |                      |
| • of modules and accessories              | Front plate mounting |
| <b>height</b>                             | 36 mm                |
| <b>width</b>                              | 9.8 mm               |
| <b>depth</b>                              | 49.7 mm              |

|  |            |
|--|------------|
| <b>Approvals Certificates</b>                              |            |
| Environmental Product Declaration                          |            |
| • global warming potential [CO2 eq] / during manufacturing | 0.566 kg   |
| • global warming potential [CO2 eq] / during operation     | 0.235 kg   |
| • global warming potential [CO2 eq] / after end of life    | -0.0145 kg |
| • global warming potential [CO2 eq] / total                | 0.787 kg   |

|                    |                                 |                             |
|--------------------|---------------------------------|-----------------------------|
| <b>Environment</b> | <b>General Product Approval</b> | <b>Maritime application</b> |
|--------------------|---------------------------------|-----------------------------|

[Environmental Conformations](#)



|                             |              |
|-----------------------------|--------------|
| <b>Maritime application</b> | <b>other</b> |
|-----------------------------|--------------|



[Confirmation](#)

**Further information**

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>  
 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=3SU1401-1BB24-3AA0>

Cax online generator

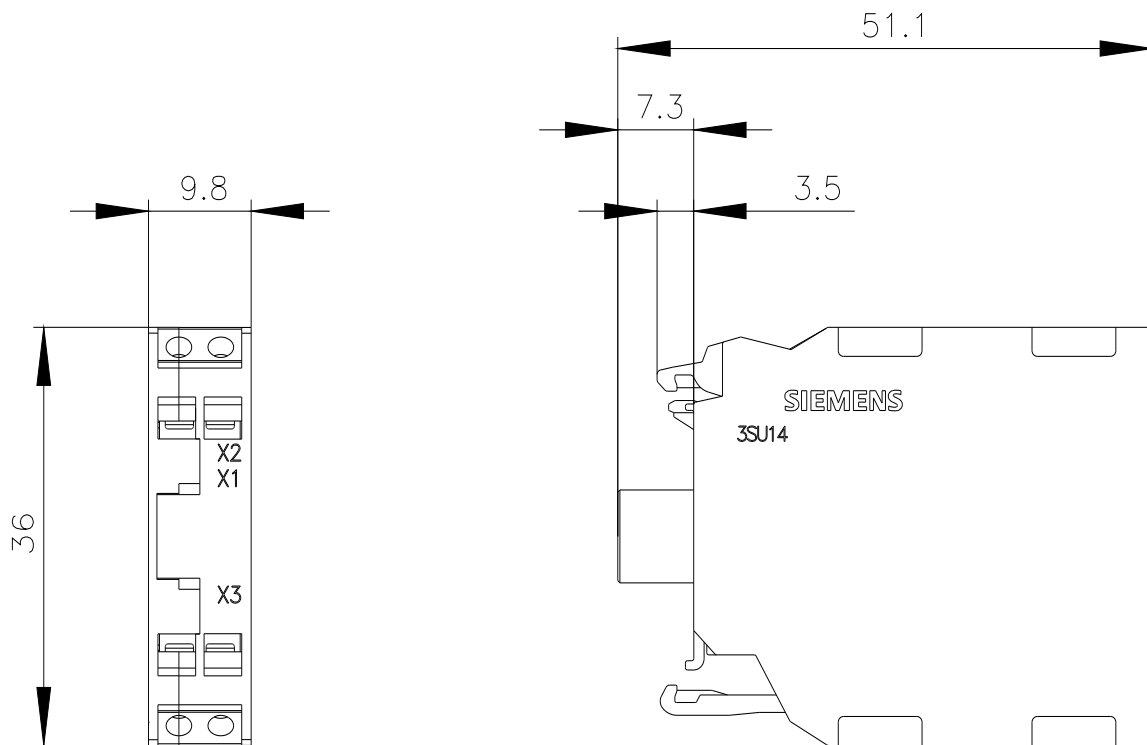
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB24-3AA0>

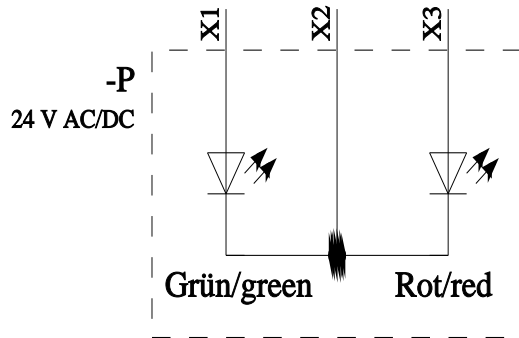
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB24-3AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB24-3AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB24-3AA0&lang=en)





| X1 | X2 | X3 | Farbe/color |
|----|----|----|-------------|
| X  | X  |    | Grün/green  |
|    | X  | X  | Rot/red     |
| X  | X  | X  | Gelb/yellow |

last modified:

4/4/2026