

Siemens  
EcoTech



LED module with integrated LED 24 V AC/DC, amber, 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                                                                                                            |
| <b>General technical data</b>                        |                                                                                                                 |
| 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                             | 25 mA                                                                                                           |
| protection class IP                                  |                                                                                                                 |
| • of the enclosure                                   | IP40                                                                                                            |
| • of the terminal                                    | IP20                                                                                                            |
| shock resistance                                     |                                                                                                                 |
| • according to IEC 60068-2-27                        | sinusoidal half-wave 15g / 11 ms                                                                                |
| • for railway applications according to EN 61373     | Category 1, Class B                                                                                             |
| vibration resistance                                 |                                                                                                                 |
| • according to IEC 60068-2-6                         | 10 ... 500 Hz: 5g                                                                                               |
| • for railway applications according to EN 61373     | Category 1, Class B                                                                                             |
| operating period typical                             | 100 000 h                                                                                                       |
| reference code according to IEC 81346-2              | P                                                                                                               |
| Substance Prohibitance (Date)                        | 10/01/2014                                                                                                      |
| SVHC substance name                                  | Lead monoxide (lead oxide) - 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 |
| Weight                                               | 9 g                                                                                                             |
| operating voltage 1                                  |                                                                                                                 |
| • at AC                                              |                                                                                                                 |
| — at 50 Hz rated value                               | 24 V                                                                                                            |
| — at 60 Hz rated value                               | 24 V                                                                                                            |
| • at DC rated value                                  | 24 V                                                                                                            |
| relative positive tolerance of the operating voltage | 20 %                                                                                                            |
| relative negative tolerance of the operating voltage | 20 %                                                                                                            |

| Control circuit/ Control                                                                                                                                                                                                                                             |                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| inrush current maximum                                                                                                                                                                                                                                               | 2 A                                                                                                                                                                 |
| Connections/ Terminals                                                                                                                                                                                                                                               |                                                                                                                                                                     |
| type of electrical connection                                                                                                                                                                                                                                        | screw terminal                                                                                                                                                      |
| type of connectable conductor cross-sections                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <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>• for AWG cables</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) |
| connectable conductor cross-section finely stranded with core end processing                                                                                                                                                                                         | 0.5 ... 1.5 mm <sup>2</sup>                                                                                                                                         |
| tightening torque with screw-type terminals                                                                                                                                                                                                                          | 0.8 ... 0.9 N·m                                                                                                                                                     |
| Lamp                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |
| type of light source                                                                                                                                                                                                                                                 | LED                                                                                                                                                                 |
| color of the light source                                                                                                                                                                                                                                            | amber                                                                                                                                                               |
| light intensity                                                                                                                                                                                                                                                      | 450 ... 1 120 mcd                                                                                                                                                   |
| ATEX                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |
| certificate of suitability                                                                                                                                                                                                                                           |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul>                                                                                                                                                                                            | No<br>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)                                                          |
| Environmental footprint                                                                                                                                                                                                                                              |                                                                                                                                                                     |
| Environmental Product Declaration (EPD)                                                                                                                                                                                                                              | Yes                                                                                                                                                                 |
| global warming potential [CO2 eq] total                                                                                                                                                                                                                              | 0.787 kg                                                                                                                                                            |
| 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                                                                                                                                                                                                                  | -0.015 kg                                                                                                                                                           |
| Siemens Eco Profile (SEP)                                                                                                                                                                                                                                            | Siemens EcoTech                                                                                                                                                     |
| 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                                                                                                                                                             |
| Approvals Certificates                                                                                                                                                                                                                                               |                                                                                                                                                                     |
| General Product Approval                                                                                                                                                                                                                                             | Test Certificates                                                                                                                                                   |



[Confirmation](#)



[Special Test Certificate](#)

Test Certificates

other

Environment

[Type Test Certificates/Test Report](#)

[Confirmation](#)



[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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?mifb=3SU1401-1BB00-1AA0>

Cax online generator

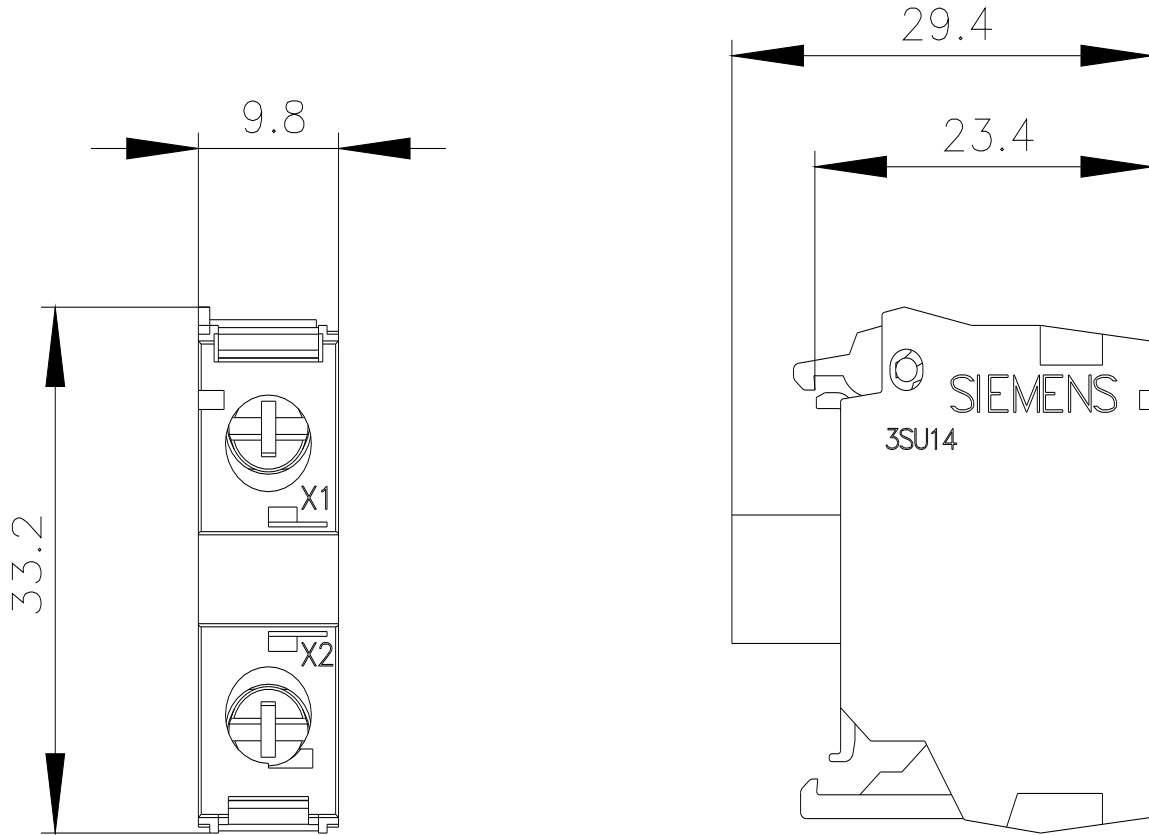
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB00-1AA0>

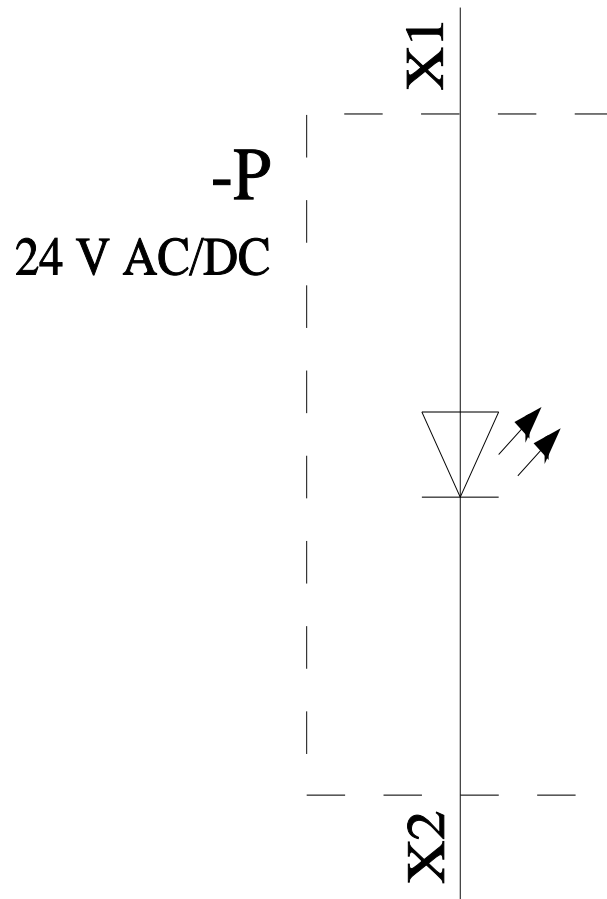
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB00-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB00-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB00-1AA0&lang=en)





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