



LED module with integrated LED 6-24V AC/DC red, Spring-loaded terminal, for front plate mounting

|                                                      |                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 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                             | 30 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>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| Net Weight                                           | 9 g                                                                                                  |
| operating voltage                                    |                                                                                                      |
| • at AC                                              |                                                                                                      |
| — at 50 Hz rated value                               | 6 ... 24 V                                                                                           |
| — at 60 Hz rated value                               | 6 ... 24 V                                                                                           |
| • at DC rated value                                  | 6 ... 24 V                                                                                           |
| relative positive tolerance of the operating voltage | 20 %                                                                                                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| relative negative tolerance of the operating voltage                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20 %                                                                                                                                                                                                                                                                                                                                          |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                               |
| inrush current maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 A                                                                                                                                                                                                                                                                                                                                           |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                               |
| type of electrical connection                                                                                                                                                                                                                                                                                                                                                                                                                                                            | spring-loaded terminals                                                                                                                                                                                                                                                                                                                       |
| type of connectable conductor cross-sections                                                                                                                                                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>• solid without core end processing 2x (0.25 ... 1.5 mm<sup>2</sup>)</li> <li>• finely stranded with core end processing 2x (0.25 ... 0.75 mm<sup>2</sup>)</li> <li>• finely stranded without core end processing 2x (0.25 ... 1.5 mm<sup>2</sup>)</li> <li>• for AWG cables 2x (24 ... 16)</li> </ul> |
| connectable conductor cross-section finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                                                             | 0.25 ... 0.75 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                 |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
| type of light source                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LED                                                                                                                                                                                                                                                                                                                                           |
| color of the light source                                                                                                                                                                                                                                                                                                                                                                                                                                                                | red                                                                                                                                                                                                                                                                                                                                           |
| light intensity                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 450 ... 1 120 mcd                                                                                                                                                                                                                                                                                                                             |
| <b>ATEX</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• ATEX No</li> <li>• IECEx No</li> </ul>                                                                                                                                                                                                                                                               |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                               |
| ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>• during operation -25 ... +70 °C</li> <li>• during storage -40 ... +80 °C</li> </ul>                                                                                                                                                                                                                  |
| 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)                                                                                                                                                                                                                                    |
| <b>Environmental footprint</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                               |
| Environmental Product Declaration (EPD)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                                                                           |
| global warming potential [CO <sub>2</sub> eq] total                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.787 kg                                                                                                                                                                                                                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] during manufacturing                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.566 kg                                                                                                                                                                                                                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] during operation                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.235 kg                                                                                                                                                                                                                                                                                                                                      |
| global warming potential [CO <sub>2</sub> eq] after end of life                                                                                                                                                                                                                                                                                                                                                                                                                          | -0.015 kg                                                                                                                                                                                                                                                                                                                                     |
| Siemens Eco Profile (SEP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Siemens EcoTech                                                                                                                                                                                                                                                                                                                               |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                               |
| fastening method                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• of modules and accessories Front plate mounting</li> </ul>                                                                                                                                                                                                                                           |
| height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 36 mm                                                                                                                                                                                                                                                                                                                                         |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.8 mm                                                                                                                                                                                                                                                                                                                                        |
| depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 29.4 mm                                                                                                                                                                                                                                                                                                                                       |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                               |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                               |
| EMV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                               |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                               |
|      <a href="#">Type Test Certificates/Test Report</a> |                                                                                                                                                                                                                                                                                                                                               |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                               |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                               |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">Special Test Certificate</a>              |                                                                                                                                                                                                                                                                                                                                               |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                               |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |



## 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=3SU1401-1BG20-3AA0>

## Cax online generator

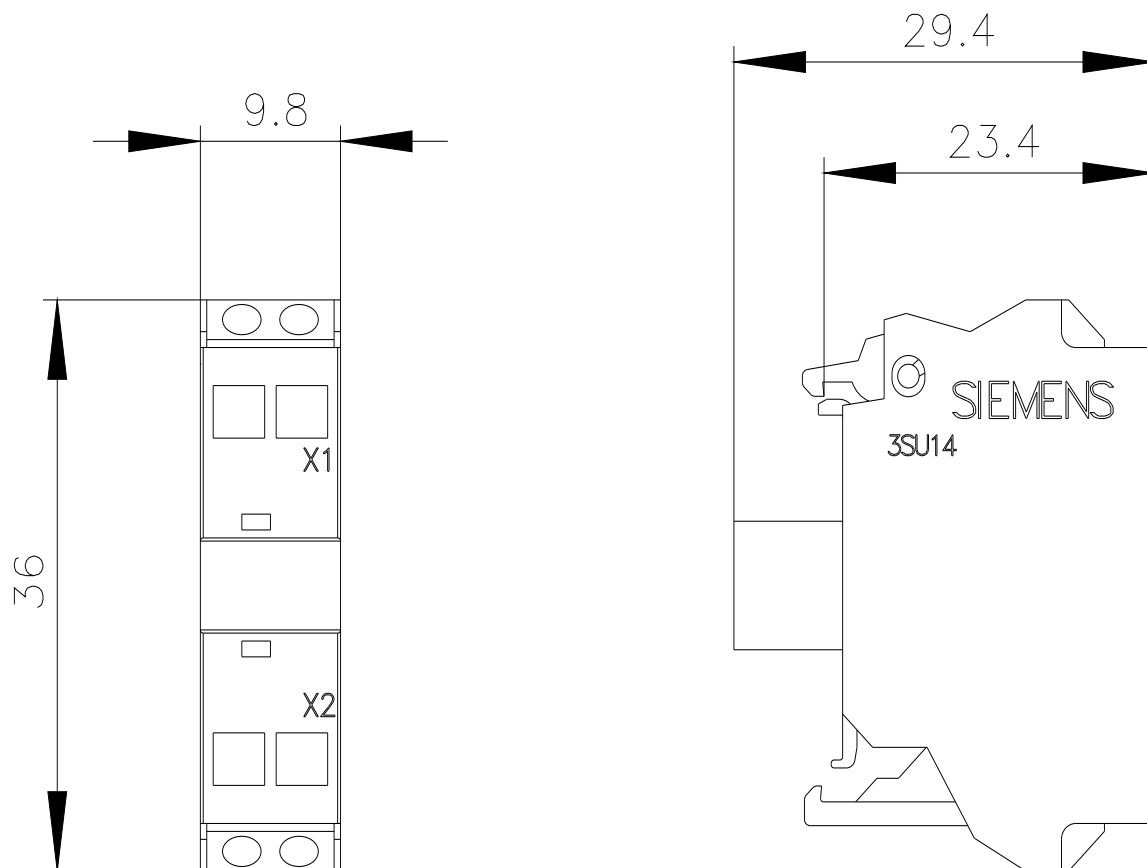
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG20-3AA0>

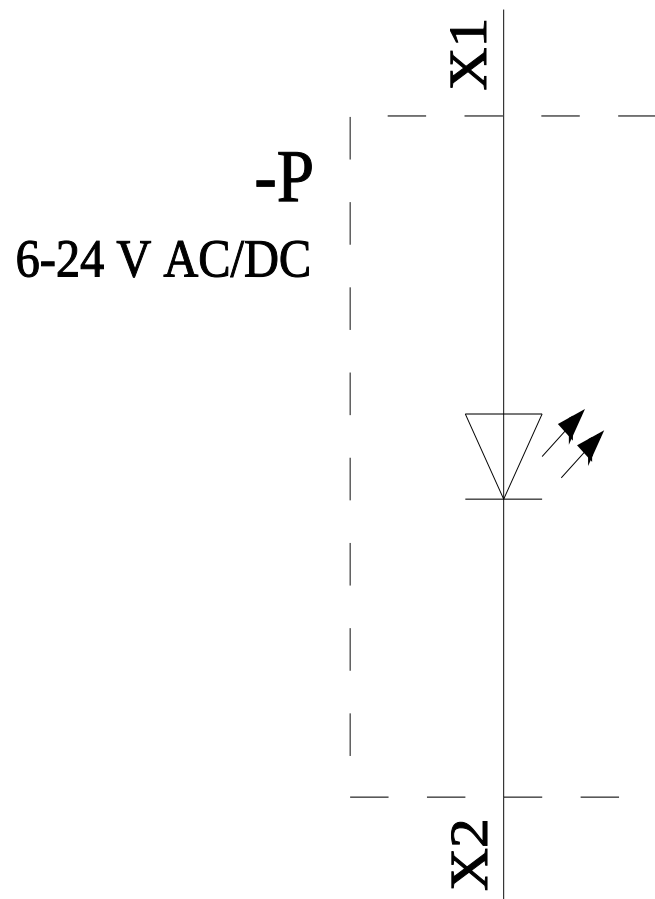
## Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG20-3AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BG20-3AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG20-3AA0&lang=en)





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