



LED module with integrated LED 6-24 V AC/DC, amber, spring-type terminal, for floor mounting, Z=50-unit packaging

|                                                      |                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 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                             | 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)                        | 03/01/2017                                                                                           |
| SVHC substance name                                  | Lead monoxide (lead oxide) - 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| Net Weight                                           | 0.008 kg                                                                                             |
| 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                                                                                                  |

| Connections/ Terminals                                                                                    |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type of electrical connection                                                                             | spring-loaded terminals                                                                                                                                                                                                          |                                                                                                                                                                                                   |
| type of connectable conductor cross-sections                                                              |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| • solid without core end processing                                                                       | 2x (0.25 ... 1.5 mm²)                                                                                                                                                                                                            |                                                                                                                                                                                                   |
| • finely stranded with core end processing                                                                | 2x (0.25 ... 0.75 mm²)                                                                                                                                                                                                           |                                                                                                                                                                                                   |
| • finely stranded without core end processing                                                             | 2x (0.25 ... 1.5 mm²)                                                                                                                                                                                                            |                                                                                                                                                                                                   |
| • for AWG cables                                                                                          | 2x (24 ... 16)                                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| connectable conductor cross-section finely stranded with core end processing                              | 0.25 ... 0.75 mm²                                                                                                                                                                                                                |                                                                                                                                                                                                   |
| Lamp                                                                                                      |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| type of light source                                                                                      | LED                                                                                                                                                                                                                              |                                                                                                                                                                                                   |
| color of the light source                                                                                 | amber                                                                                                                                                                                                                            |                                                                                                                                                                                                   |
| light intensity                                                                                           | 450 ... 1 120 mcd                                                                                                                                                                                                                |                                                                                                                                                                                                   |
| ATEX                                                                                                      |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| certificate of suitability                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| • ATEX                                                                                                    | No                                                                                                                                                                                                                               |                                                                                                                                                                                                   |
| • IECEX                                                                                                   | No                                                                                                                                                                                                                               |                                                                                                                                                                                                   |
| Ambient conditions                                                                                        |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| ambient temperature                                                                                       |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| • during operation                                                                                        | -25 ... +70 °C                                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| • during storage                                                                                          | -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                                                                                          |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| • of modules and accessories                                                                              | Floor mounting                                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| height                                                                                                    | 36 mm                                                                                                                                                                                                                            |                                                                                                                                                                                                   |
| width                                                                                                     | 9.8 mm                                                                                                                                                                                                                           |                                                                                                                                                                                                   |
| depth                                                                                                     | 29.4 mm                                                                                                                                                                                                                          |                                                                                                                                                                                                   |
| Approvals Certificates                                                                                    |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| General Product Approval                                                                                  | Test Certificates                                                                                                                                                                                                                | Maritime application                                                                                                                                                                              |
| <br>EG-Konf.           | <br><br><a href="#">Type Test Certificates/Test Report</a> | <a href="#">Special Test Certificate</a><br>                                                                 |
| Maritime application                                                                                      | other                                                                                                                                                                                                                            | Environment                                                                                                                                                                                       |
| <br>LRS                | <br>PRS<br><br>RINA<br><a href="#">Confirmation</a>        | <br>产品合格<br>QC PASS<br> |
| Environment                                                                                               |                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
| <br>Siemens<br>EcoTech | <br><a href="#">Environmental Confirmations</a>                                                                                               |                                                                                                                                                                                                   |
| 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=3SU1401-2BG00-3AA0-Z X90>

**Cax online generator**

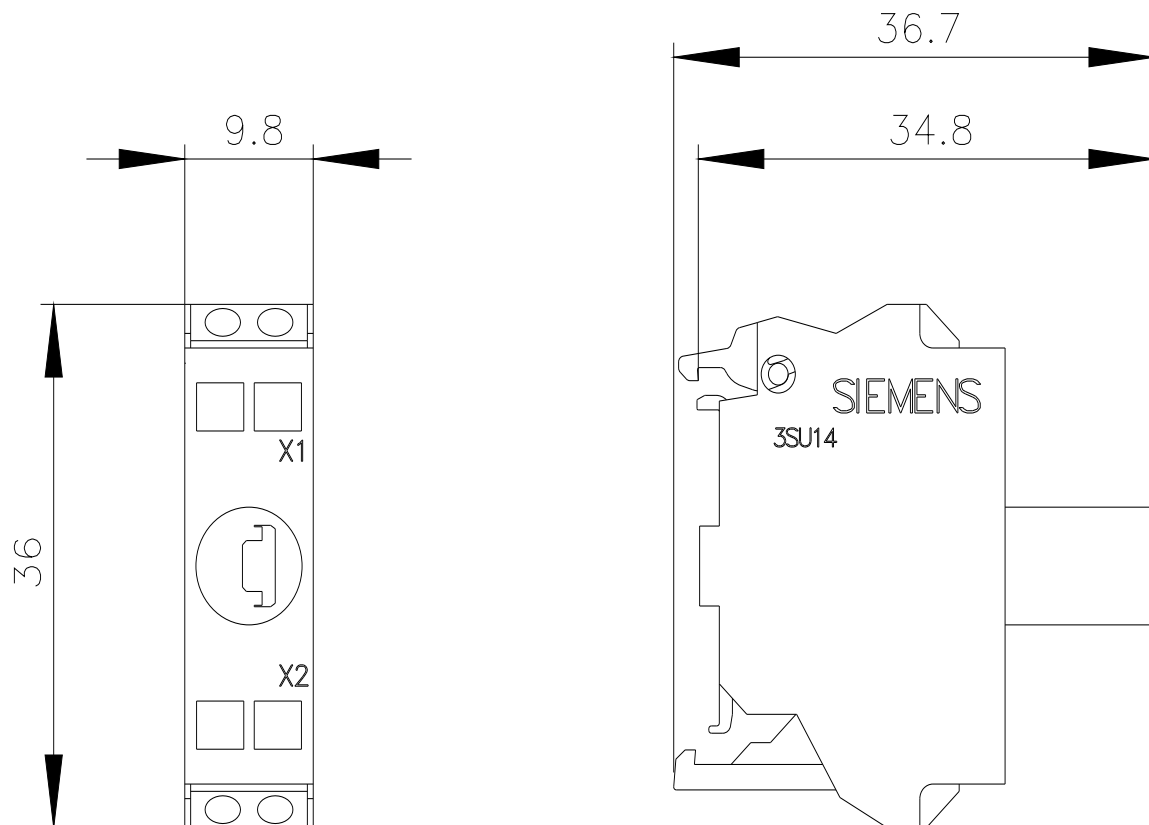
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BG00-3AA0-Z X90>

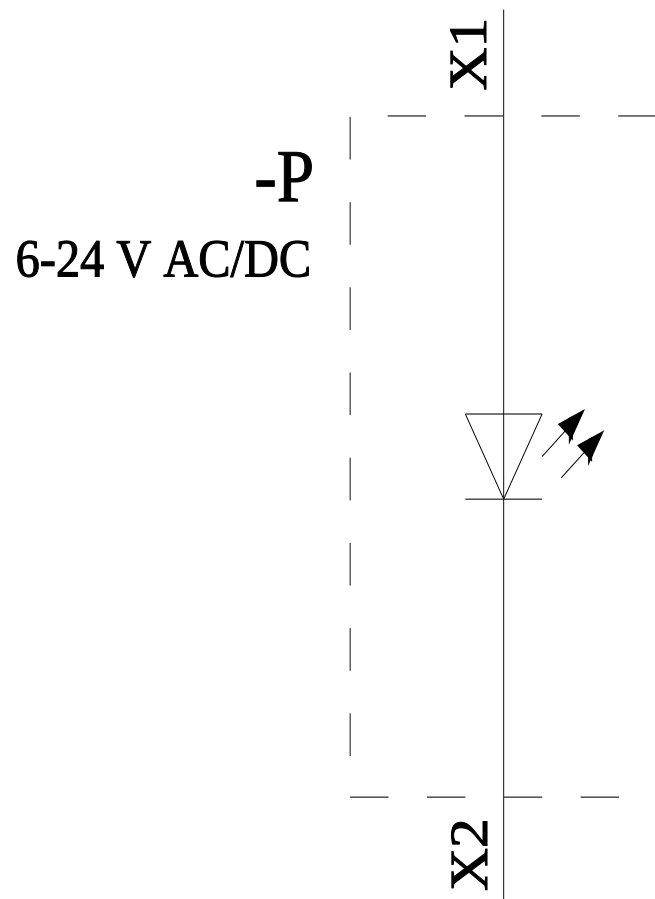
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BG00-3AA0-Z X90>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-2BG00-3AA0-Z X90&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BG00-3AA0-Z X90&lang=en)





last modified:

4/2/2025 