



LED module with integrated LED 230 V AC, amber, spring-type 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                                                                                                              |
| • for actuation                                      | AC                                                                                                              |
| surge voltage resistance rated value                 | 4 kV                                                                                                            |
| consumed current maximum                             | 20 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 |
| Net Weight                                           | 9 g                                                                                                             |
| operating voltage 1                                  |                                                                                                                 |
| • at AC                                              |                                                                                                                 |
| — at 50 Hz rated value                               | 230 V                                                                                                           |
| — at 60 Hz rated value                               | 230 V                                                                                                           |
| relative positive tolerance of the operating voltage | 20 %                                                                                                            |
| relative negative tolerance of the operating voltage | 20 %                                                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Control circuit/ Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                            |
| inrush current maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 A                                                                                                        |
| Connections/ Terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                            |
| 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</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2x (0.25 ... 1.5 mm²)                                                                                      |
| <ul style="list-style-type: none"><li>• finely stranded with core end processing</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2x (0.25 ... 0.75 mm²)                                                                                     |
| <ul style="list-style-type: none"><li>• finely stranded without core end processing</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2x (0.25 ... 1.5 mm²)                                                                                      |
| <ul style="list-style-type: none"><li>• for AWG cables</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                            |
| <ul style="list-style-type: none"><li>• ATEX</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                                                                                         |
| <ul style="list-style-type: none"><li>• IECEX</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                         |
| Ambient conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            |
| ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                            |
| <ul style="list-style-type: none"><li>• during operation</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -25 ... +70 °C                                                                                             |
| <ul style="list-style-type: none"><li>• during storage</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 36 mm                                                                                                      |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9.8 mm                                                                                                     |
| depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 29.4 mm                                                                                                    |
| Approvals Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                            |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                            |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                            |
| <div><div><br/>CCC</div><div><br/>EG-Konf.</div><div></div><div><br/>UL</div><div></div></div> <div><a href="#">Special Test Certificate</a></div> |                                                                                                            |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Maritime application                                                                                       |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |
| <div><div><a href="#">Type Test Certificates/Test Report</a></div><div><br/>BUREAU<br/>VERITAS</div><div><br/>LRS</div><div><br/>PRS</div><div><br/>RINA</div></div> <div><a href="#">Confirmation</a></div>                          |                                                                                                            |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Environment                                                                                                |
| <div><div></div><div></div><div></div><div></div><div><a href="#">Environmental Confirmations</a></div></div>                                                                                                                           |                                                                                                            |

## 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=3SU1401-1BF00-3AA0>

### Cax online generator

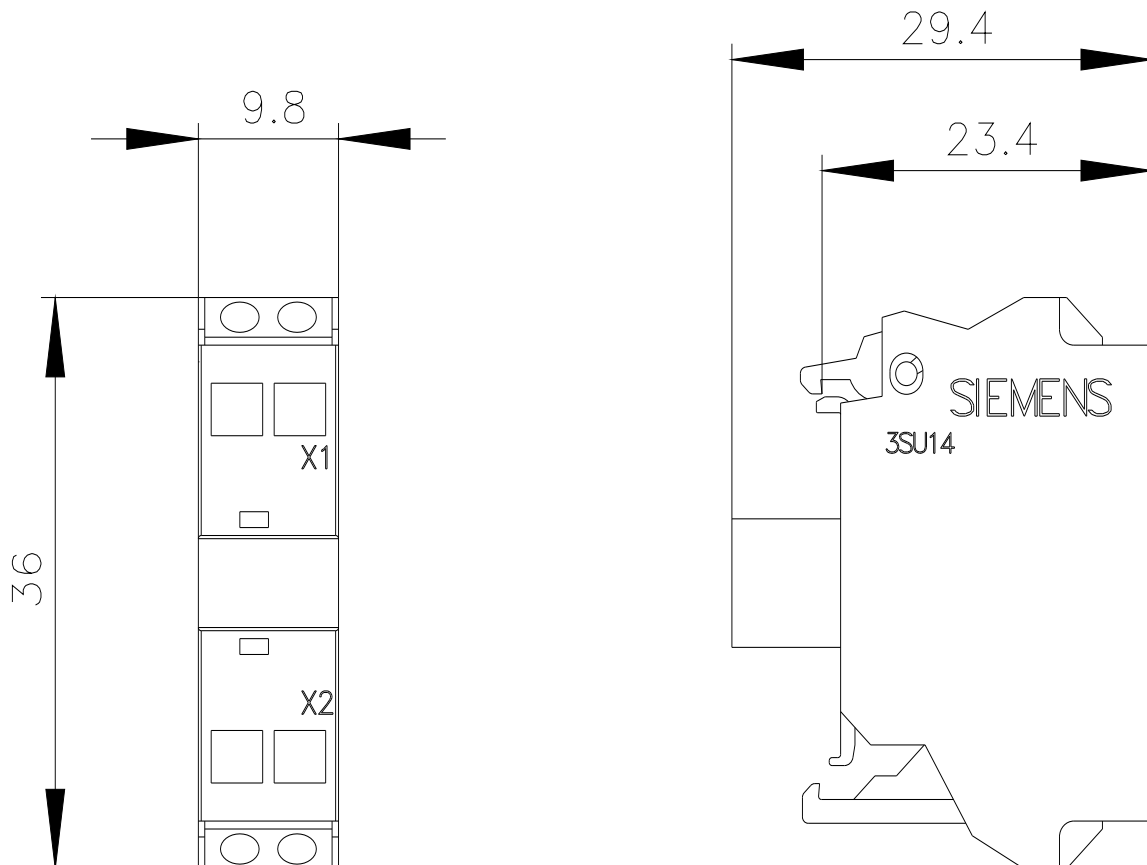
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF00-3AA0>

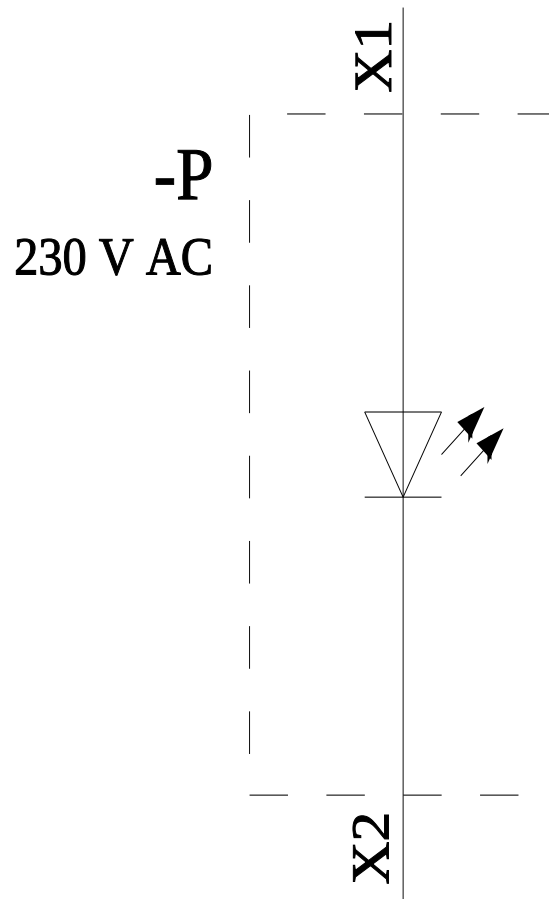
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF00-3AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BF00-3AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF00-3AA0&lang=en)





last modified:

4/2/2025 