



LED module with integrated LED 230 V AC, blue, screw terminal, for floor 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 |
| 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 %                                                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |
| <b>inrush current maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 A                                                                                                        |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | screw terminal                                                                                             |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |
| • solid with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2x (0.5 ... 0.75 mm²)                                                                                      |
| • solid without core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2x (1.0 ... 1.5 mm²)                                                                                       |
| • finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2x (0.5 ... 1.5 mm²)                                                                                       |
| • finely stranded without core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2x (1.0 ... 1.5 mm²)                                                                                       |
| • for AWG cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2x (18 ... 14)                                                                                             |
| connectable conductor cross-section finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.5 ... 1.5 mm²                                                                                            |
| tightening torque with screw-type terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.8 ... 0.9 N·m                                                                                            |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                            |
| <b>type of light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LED                                                                                                        |
| <b>color of the light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | blue                                                                                                       |
| <b>light intensity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 280 ... 710 mcd                                                                                            |
| <b>ATEX</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                            |
| <b>certificate of suitability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |
| • ATEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                                                         |
| • IECEx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No                                                                                                         |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                            |
| <b>ambient temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            |
| • during operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -25 ... +70 °C                                                                                             |
| • during storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40 ... +80 °C                                                                                             |
| environmental category during operation according to IEC 60721                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3M6, 3S2, 3B2, 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 [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                                                                                            |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                            |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |
| • of modules and accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Floor mounting                                                                                             |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 33.2 mm                                                                                                    |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9.8 mm                                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 29.4 mm                                                                                                    |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                            |
| EMV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |
|       |                                                                                                            |
| <b>Test Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                            |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                            |
| <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a>                                                                                 |                                                                                                            |
| <b>other</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            |
| <b>Environment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                            |



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firmations](#)

#### 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=3SU1401-2BF50-1AA0>

##### Cax online generator

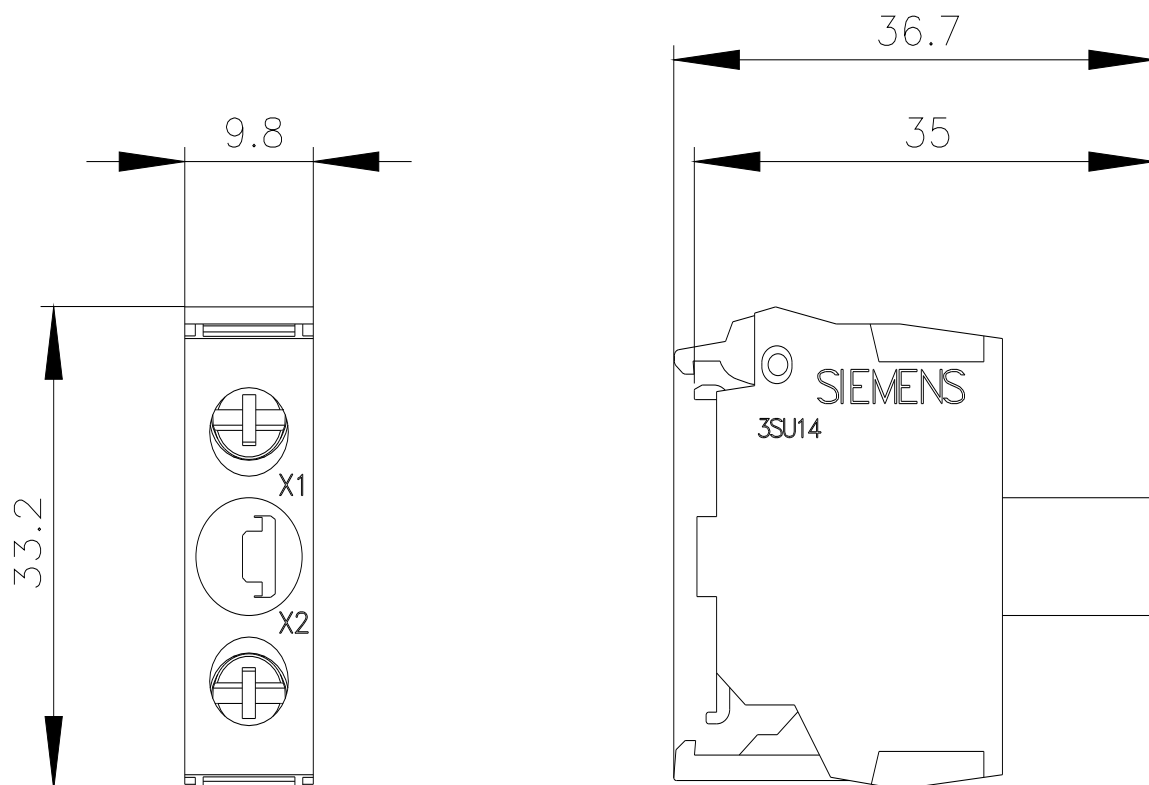
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BF50-1AA0>

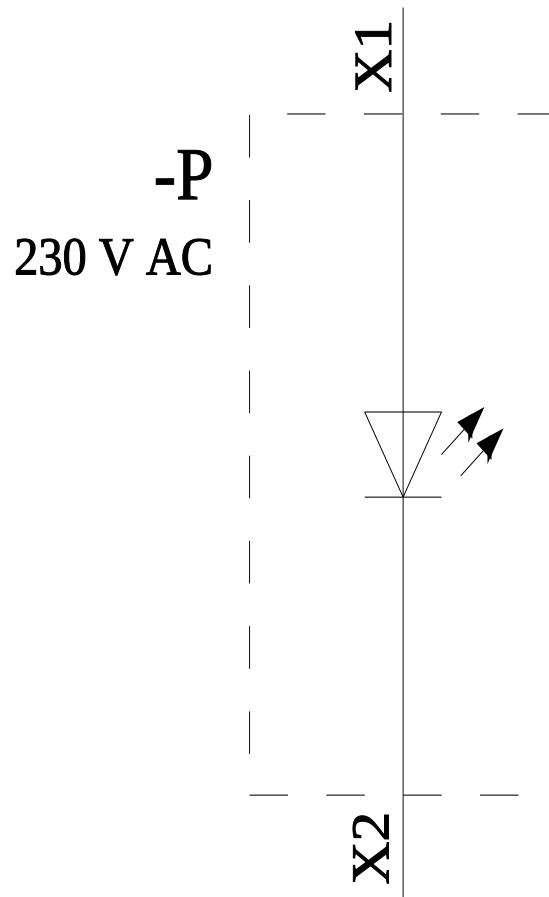
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BF50-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-2BF50-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BF50-1AA0&lang=en)





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