

Siemens  
EcoTech



LED module with integrated LED 110 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 |
| Weight                                               | 9 g                                                                                                             |
| operating voltage 1                                  |                                                                                                                 |
| • at AC                                              |                                                                                                                 |
| — at 50 Hz rated value                               | 110 V                                                                                                           |
| — at 60 Hz rated value                               | 110 V                                                                                                           |
| relative positive tolerance of the operating voltage | 20 %                                                                                                            |
| relative negative tolerance of the operating voltage | 20 %                                                                                                            |
| Control circuit/ Control                             |                                                                                                                 |

|                                                                              |                                     |
|------------------------------------------------------------------------------|-------------------------------------|
| <b>inrush current maximum</b>                                                | 3 A                                 |
| <b>Connections/ Terminals</b>                                                |                                     |
| <b>type of electrical connection</b>                                         | spring-loaded terminals             |
| <b>type of connectable conductor cross-sections</b>                          |                                     |
| • solid without core end processing                                          | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing                                   | 2x (0.25 ... 0.75 mm <sup>2</sup> ) |
| • finely stranded without core end processing                                | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • for AWG cables                                                             | 2x (24 ... 16)                      |
| connectable conductor cross-section finely stranded with core end processing | 0.25 ... 0.75 mm <sup>2</sup>       |

|                                  |                   |
|----------------------------------|-------------------|
| <b>Lamp</b>                      |                   |
| <b>type of light source</b>      | LED               |
| <b>color of the light source</b> | amber             |
| <b>light intensity</b>           | 450 ... 1 120 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              | Front plate mounting |
| <b>height</b>                             | 36 mm                |
| <b>width</b>                              | 9.8 mm               |
| <b>depth</b>                              | 29.4 mm              |

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Approvals Certificates</b>   |                          |
| <b>General Product Approval</b> | <b>Test Certificates</b> |



[Type Test Certificates/Test Report](#)

|                          |                             |              |
|--------------------------|-----------------------------|--------------|
| <b>Test Certificates</b> | <b>Maritime application</b> | <b>other</b> |
|--------------------------|-----------------------------|--------------|

[Special Test Certificate](#)



[Confirmation](#)

|                    |
|--------------------|
| <b>Environment</b> |
|--------------------|



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[Environmental Conformations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

Information on the packaging

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

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BC00-3AA0>

Cax online generator

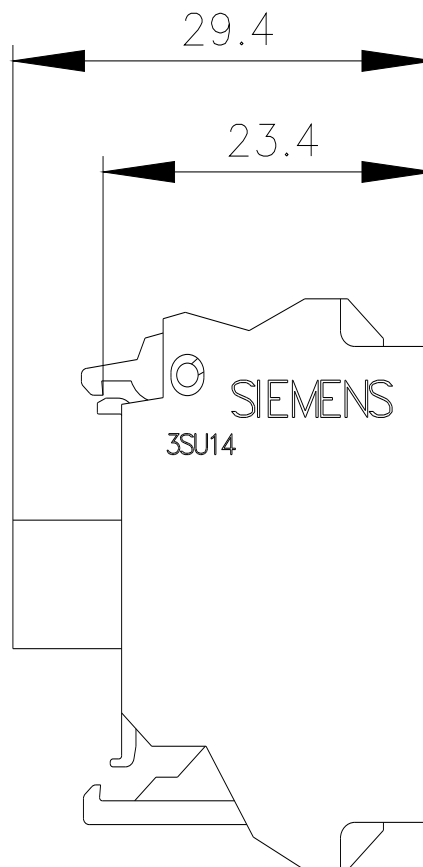
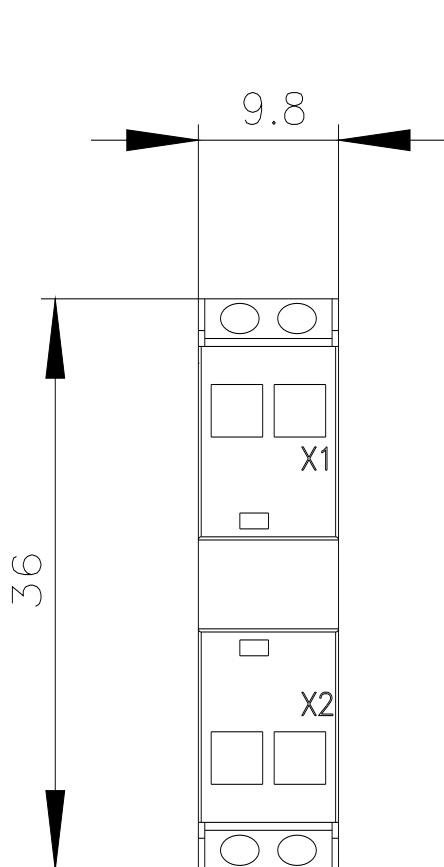
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC00-3AA0>

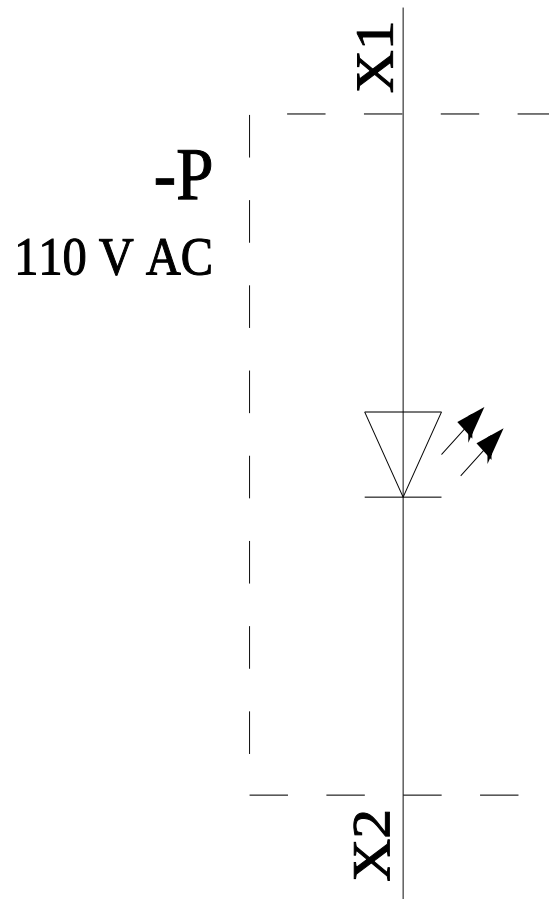
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC00-3AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BC00-3AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC00-3AA0&lang=en)





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