



LED module with integrated LED 24 V AC/DC, green, spring-type terminal, for front plate mounting, Z=50-unit packaging

| | |
|--|---|
| product brand name | SIRIUS ACT |
| product designation | LED module |
| product type designation | 3SU1 |
| General technical data | |
| product component | |
| • diode | Yes |
| • lamp transformer | No |
| • light source | Yes |
| • series resistor | No |
| insulation voltage rated value | 320 V |
| degree of pollution | 3 |
| type of voltage of the operating voltage | AC/DC |
| • for actuation | AC/DC |
| surge voltage resistance rated value | 4 kV |
| consumed current maximum | 25 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 Prohibition (Date) | 03/01/2017 |
| SVHC substance name | Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 |
| Net Weight | 7 g |
| operating voltage 1 | |
| • at AC | |
| — at 50 Hz rated value | 24 V |
| — at 60 Hz rated value | 24 V |
| • at DC rated value | 24 V |
| relative positive tolerance of the operating voltage | 25 % |
| relative negative tolerance of the operating voltage | 30 % |
| Control circuit/ Control | |
| inrush current maximum | 2 A |

Connections/ Terminals

| | |
|---|-------------------------------------|
| type of electrical connection | spring-loaded terminals |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid without core end processing | 2x (0.25 ... 1.5 mm ²) |
| <ul style="list-style-type: none"> • finely stranded with core end processing | 2x (0.25 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • finely stranded without core end processing | 2x (0.25 ... 1.5 mm ²) |
| <ul style="list-style-type: none"> • for AWG cables | 2x (24 ... 16) |
| connectable conductor cross-section finely stranded with core end processing | 0.25 ... 0.75 mm ² |

Lamp

| | |
|----------------------------------|-------------------|
| type of light source | LED |
| color of the light source | green |
| light intensity | 900 ... 1 400 mcd |

ATEX

| | |
|---|----|
| certificate of suitability | |
| <ul style="list-style-type: none"> • ATEX | No |
| <ul style="list-style-type: none"> • IECEX | No |

Ambient conditions

| | |
|--|--|
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -25 ... +70 °C |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • of modules and accessories | Front plate mounting |
| height | 36 mm |
| width | 9.8 mm |
| depth | 29.4 mm |

Approvals Certificates

| | | |
|--------------------------|-----|-------------------|
| General Product Approval | EMV | Test Certificates |
|--------------------------|-----|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

Maritime application

| | |
|--|-------------------------------------|
| | <p>Confirmation</p> |
|--|-------------------------------------|

Environment



Siemens EcoTech



[Environmental Conformations](#)

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=3SU1401-1BB40-3AA0-Z X90>

Cax online generator

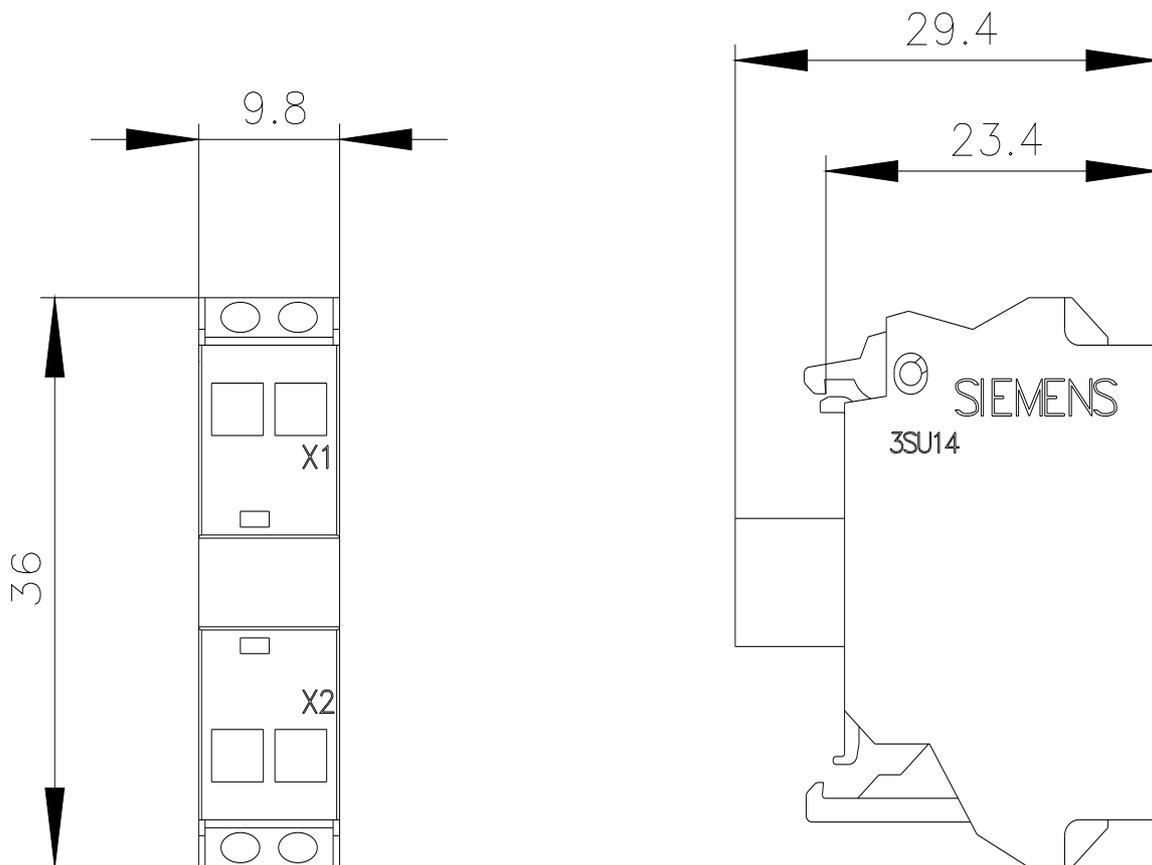
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB40-3AA0-Z X90>

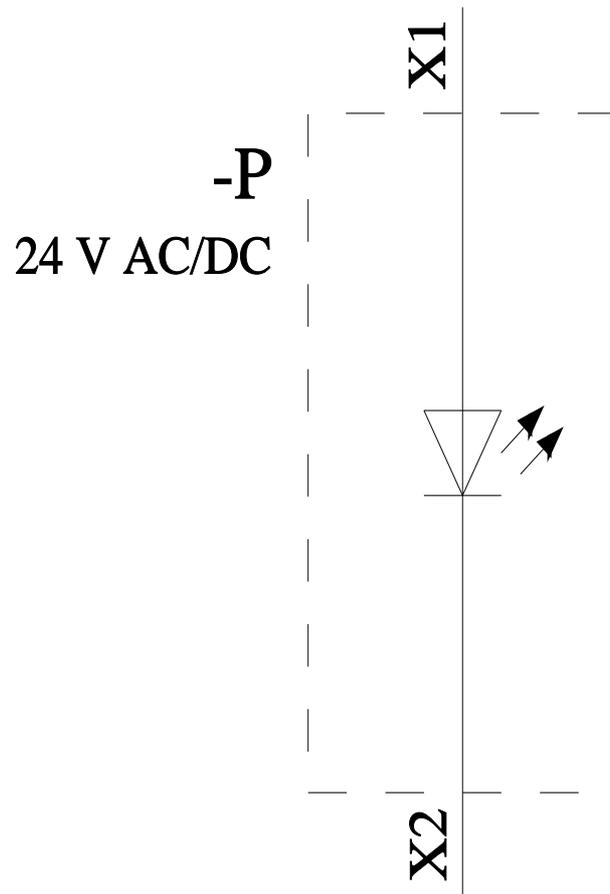
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-3AA0-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=3SU1401-1BB40-3AA0-Z X90&lang=en





last modified:

4/2/2025 