



LED module with integrated LED 24 V AC/DC, green, Spring-loaded terminal, for front plate mounting, ATEX Zone 1-2: Intrinsic safety

Figure similar

| | |
|---|------------------------------------|
| 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 | 20 mA |
| protection class IP | |
| • of the enclosure | IP30 |
| • 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 | Bleimonoxid (Bleioxid) - 1317-36-8 |
| 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 |
| Control circuit/ Control | |
| inrush current maximum | 2 A |
| Connections/ Terminals | |
| type of electrical connection | spring-loaded terminals |
| type of connectable conductor cross-sections | |
| • solid without core end processing | 2x (0.25 ... 1.5 mm ²) |

| | |
|---|---|
| <ul style="list-style-type: none"> finely stranded with core end processing finely stranded without core end processing for AWG cables | 2x (0.25 ... 0.75 mm ²) 2x (0.25 ... 1.5 mm ²) 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 | 450 ... 1 120 mcd |
| certificate of suitability | |
| <ul style="list-style-type: none"> ATEX IECEX for gas explosion protection for zone 1/2 | Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU) Yes; IECEX BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0) Yes |
| explosion device group and category according to ATEX | II C |
| Ex-Marking according to ATEX | II 2G Ex ib IIC T4 Gb |
| equipment protection level (EPL) according to ATEX | Gb |
| maximum input voltage (Ui) | |
| <ul style="list-style-type: none"> at AC at DC | 28.8 V 28.8 V |
| type of protection according to ATEX | Ex ib |

Ambient conditions

| | |
|--|--|
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage | -25 ... +70 °C -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 |

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 | EMC | For use in hazardous locations |
|--------------------------|-----|--------------------------------|



[Confirmation](#)



| | | | |
|--------------------------------|---------------------------|-------------------|-------------------|
| For use in hazardous locations | Declaration of Conformity | Test Certificates | Marine / Shipping |
|--------------------------------|---------------------------|-------------------|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



| | | |
|-------------------|-------|-------------|
| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1401-1BB40-3AA2>

Cax online generator

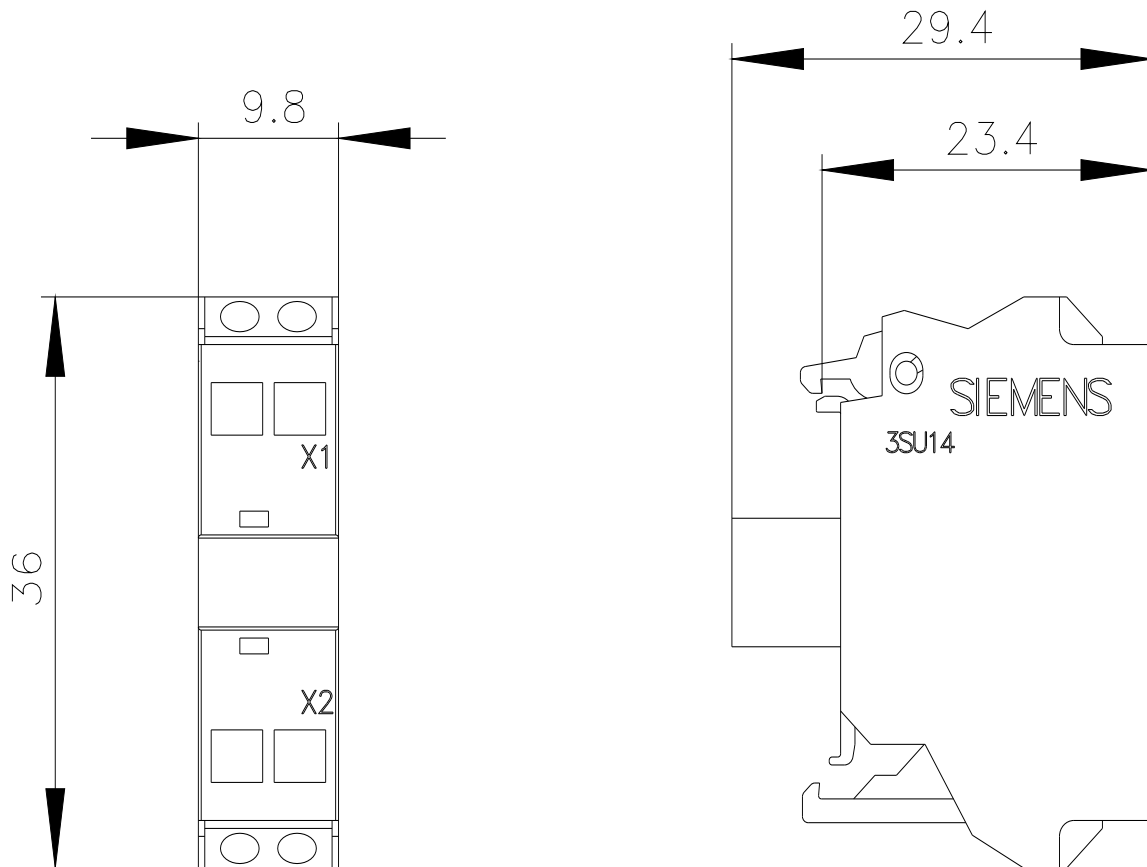
<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB40-3AA2>

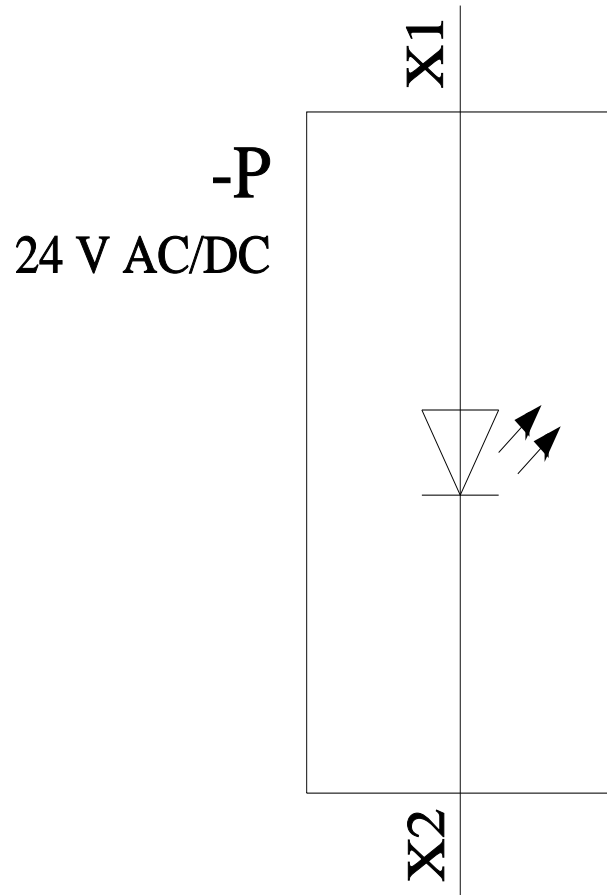
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-3AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB40-3AA2&lang=en





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