SIEMENS

## Data sheet 3SU1401-1BC20-1AA0

Siemens EcoTech




LED module with integrated LED 110 V AC, red, screw 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 15 g / 11 ms |
| ● for railway applications according to EN 61373 | Category 1, Class B |
| **vibration resistance** | |
| ● **according to IEC 60068-2-6** | 10 ... 500 Hz: 5 g |
| ● 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 (day/month/year)** | 10/01/2014 |
| **SVHC substance name** | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 |
| **Net 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 % |


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| | |
|---|---|
| **Control circuit/ Control** | |
| **inrush current maximum** | 3 A |
| **Connections/ Terminals** | |
| **type of electrical connection** | screw terminal |
| **type of connectable conductor cross-sections** | |
| ● 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 |
| **Lamp** | |
| **type of light source** | LED |
| **color of the light source** | red |
| **light intensity** | 450 ... 1 120 mcd |
| **ATEX** | |
| **certificate of suitability** | |
| ● ATEX | No |
| ● IECEx | No |
| **Ambient conditions** | |
| **ambient temperature** | |
| ● 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) |
| **Installation/ mounting/ dimensions** | |
| **fastening method** | |
| ● of modules and accessories | Front plate mounting |
| **height** | 33.2 mm |
| **width** | 9.8 mm |
| **depth** | 29.4 mm |
| **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 |
| **Approvals Certificates** | |
| Environmental Product Declaration | |
| ● 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 | -0.0145 kg |
| ● global warming potential [CO2 eq] / total | 0.787 kg |

**Environment**

Environmental Confirmations

**General Product Approval**

**General Product Approval** | **EMV** | **Test Certificates**

Type Test Certificates/Test Report | Special Test Certificate


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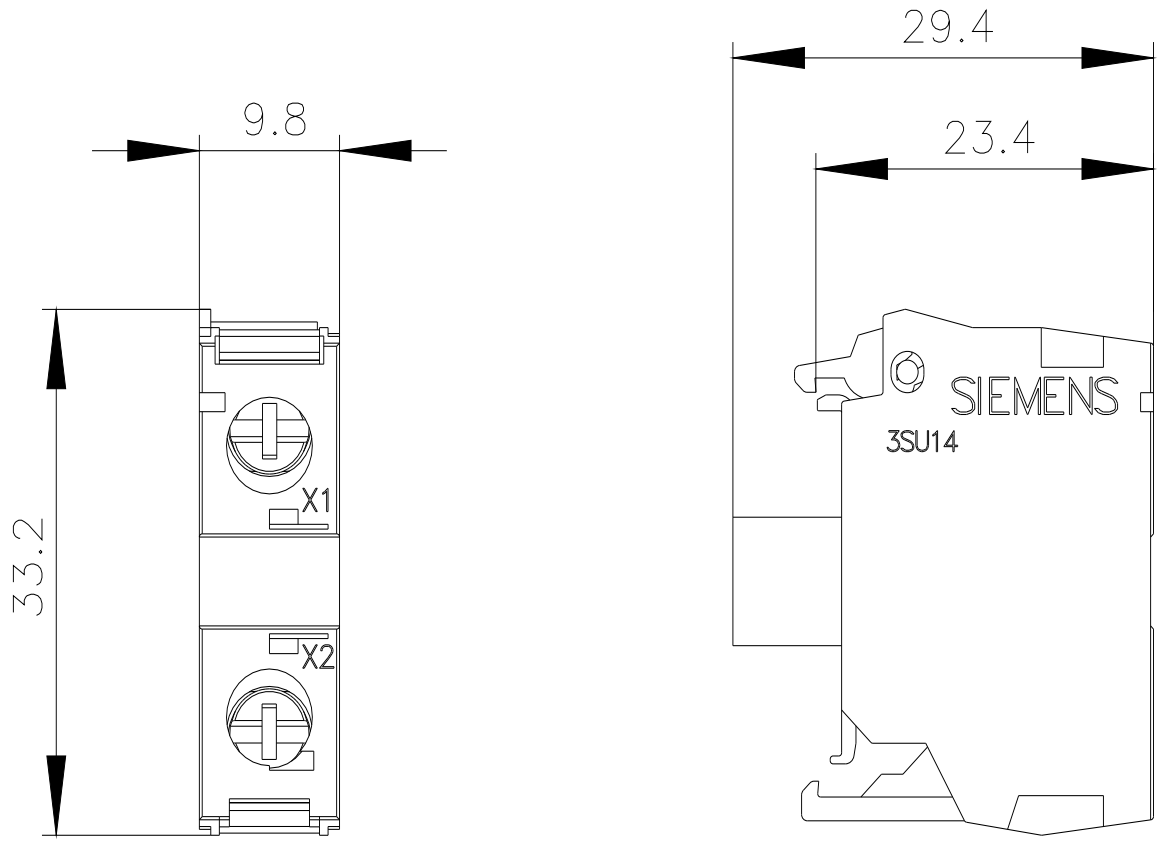
| Maritime application | other |
| --- | --- |
| | Confirmation |

**other**

产品合格
QC PASS

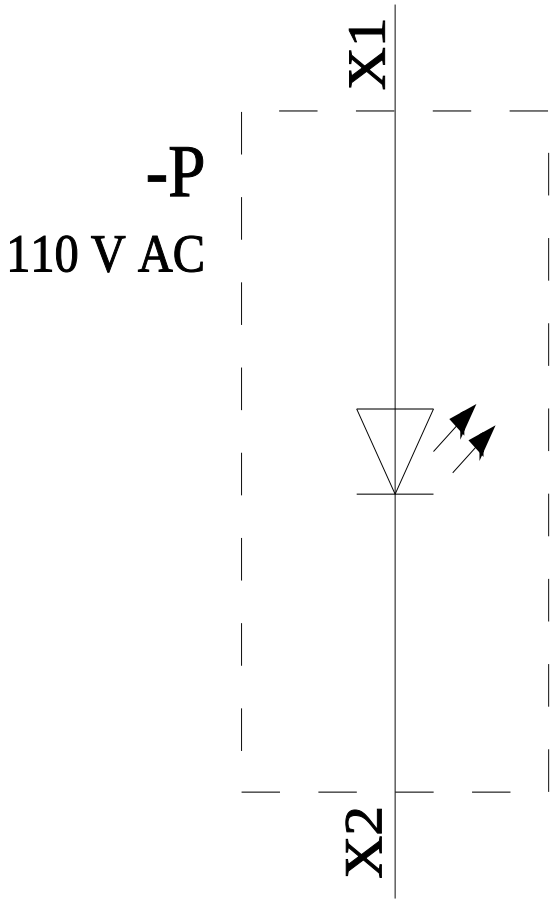
## Further information

**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=3SU1401-1BC20-1AA0
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC20-1AA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC20-1AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC20-1AA0&lang=en





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