



LED module with integrated LED 24 V AC/DC, green, screw terminal, for floor 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                              | Lead monoxide (lead oxide) - 1317-36-8 |
| Weight                                           | 9 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                                   |
| Control circuit/ Control                         |                                        |
| inrush current maximum                           | 2 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 mm <sup>2</sup> )                                                                            |
| • solid without core end processing                                          | 2x (1.0 ... 1.5 mm <sup>2</sup> )                                                                             |
| • finely stranded with core end processing                                   | 2x (0.5 ... 1.5 mm <sup>2</sup> )                                                                             |
| • finely stranded without core end processing                                | 2x (1,0 ... 1,5 mm <sup>2</sup> )                                                                             |
| • for AWG cables                                                             | 2x (18 ... 14)                                                                                                |
| connectable conductor cross-section finely stranded with core end processing | 0.5 ... 1.5 mm <sup>2</sup>                                                                                   |
| tightening torque with screw-type terminals                                  | 0.8 ... 0.9 N·m                                                                                               |
| Lamp                                                                         |                                                                                                               |
| type of light source                                                         | LED                                                                                                           |
| color of the light source                                                    | green                                                                                                         |
| light intensity                                                              | 450 ... 1 120 mcd                                                                                             |
| ATEX                                                                         |                                                                                                               |
| certificate of suitability                                                   |                                                                                                               |
| • ATEX                                                                       | Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU) |
| • IECEx                                                                      | Yes; IECEx BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0)                    |
| • for gas explosion protection for zone 1/2                                  | 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)                                                   |                                                                                                               |
| • at AC                                                                      | 28.8 V                                                                                                        |
| • at DC                                                                      | 28.8 V                                                                                                        |
| type of protection according to ATEX                                         | Ex ib                                                                                                         |
| 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)    |
| 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                                                             |                                                                                                               |
| • of modules and accessories                                                 | Floor mounting                                                                                                |
| height                                                                       | 33.2 mm                                                                                                       |
| width                                                                        | 9.8 mm                                                                                                        |
| depth                                                                        | 29.4 mm                                                                                                       |
| Approvals Certificates                                                       |                                                                                                               |
| General Product Approval                                                     | EMV                                                                                                           |



[Confirmation](#)



|                                |                   |       |             |
|--------------------------------|-------------------|-------|-------------|
| For use in hazardous locations | Test Certificates | other | Environment |
|--------------------------------|-------------------|-------|-------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Confirmation](#)



## Environment



[Environmental Confirmations](#)

## Further information

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=3SU1401-2BB40-1AA2>

Cax online generator

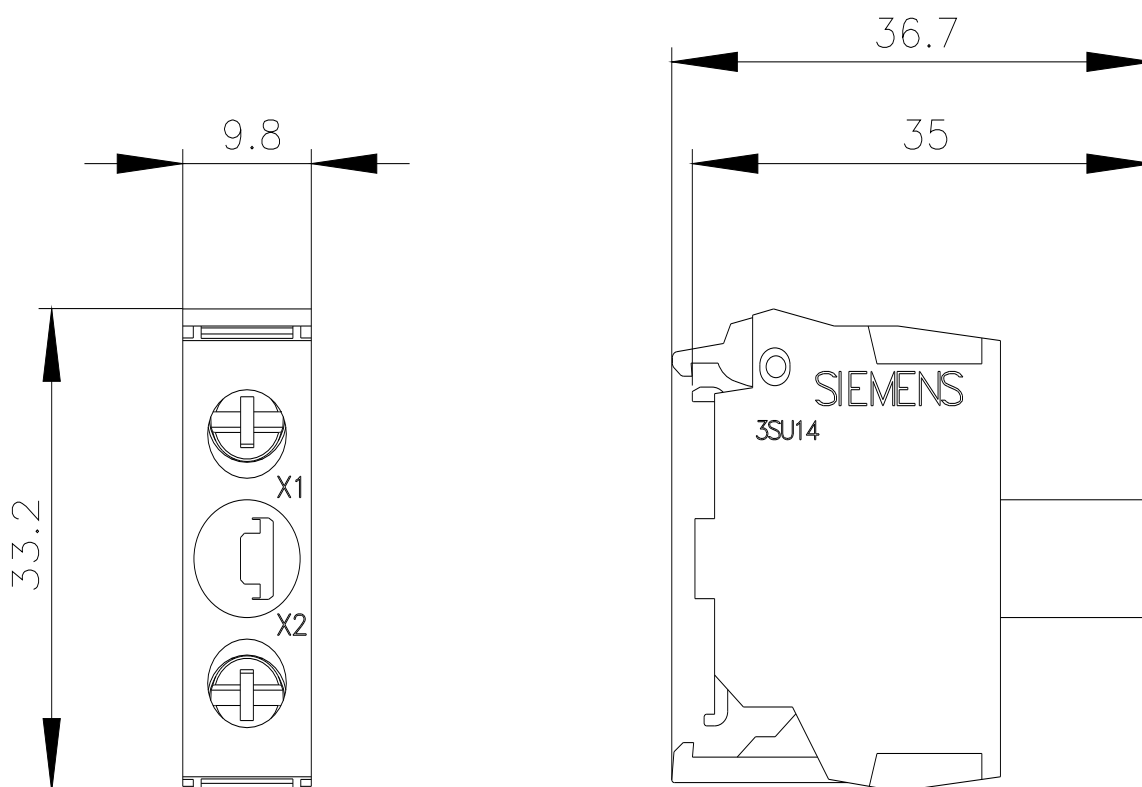
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB40-1AA2>

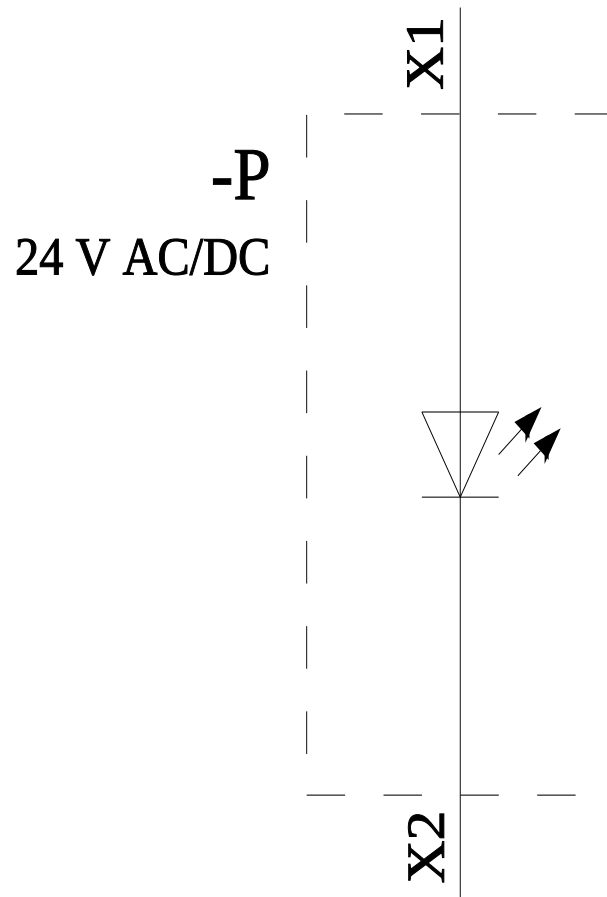
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB40-1AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-2BB40-1AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB40-1AA2&lang=en)





last modified:

4/8/2024 