



LED module with integrated LED 24 V AC/DC, green, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

|                                                      |                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 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 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                                               | 8 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 | 20 %                                                                                                            |
| relative negative tolerance of the operating voltage | 20 %                                                                                                            |

|                                                                                                 |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------|
| Control circuit/ Control                                                                        |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
| inrush current maximum                                                                          | 2 A                                                                                                                                                                                                                                                                                                                                                           |                                                                                            |                                                                                             |                                                                                              |                                          |
| Connections/ Terminals                                                                          |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
| type of electrical connection                                                                   | screw terminal                                                                                                                                                                                                                                                                                                                                                |                                                                                            |                                                                                             |                                                                                              |                                          |
| type of connectable conductor cross-sections                                                    | <ul style="list-style-type: none"><li>• solid with core end processing2x (0.5 ... 0.75 mm²)</li><li>• solid without core end processing2x (1.0 ... 1.5 mm²)</li><li>• finely stranded with core end processing2x (0.5 ... 1.5 mm²)</li><li>• finely stranded without core end processing2x (1,0 ... 1,5 mm²)</li><li>• for AWG cables2x (18 ... 14)</li></ul> |                                                                                            |                                                                                             |                                                                                              |                                          |
| 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                                                                       | green                                                                                                                                                                                                                                                                                                                                                         |                                                                                            |                                                                                             |                                                                                              |                                          |
| light intensity                                                                                 | 900 ... 1 400 mcd                                                                                                                                                                                                                                                                                                                                             |                                                                                            |                                                                                             |                                                                                              |                                          |
| ATEX                                                                                            |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
| certificate of suitability                                                                      | <ul style="list-style-type: none"><li>• ATEXNo</li><li>• IECExNo</li></ul>                                                                                                                                                                                                                                                                                    |                                                                                            |                                                                                             |                                                                                              |                                          |
| Ambient conditions                                                                              |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
| ambient temperature                                                                             | <ul style="list-style-type: none"><li>• during operation-25 ... +70 °C</li><li>• during storage-40 ... +80 °C</li></ul>                                                                                                                                                                                                                                       |                                                                                            |                                                                                             |                                                                                              |                                          |
| 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"><li>• of modules and accessoriesFront plate mounting</li></ul>                                                                                                                                                                                                                                                              |                                                                                            |                                                                                             |                                                                                              |                                          |
| height                                                                                          | 33.2 mm                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |                                                                                             |                                                                                              |                                          |
| width                                                                                           | 9.8 mm                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                                                                             |                                                                                              |                                          |
| depth                                                                                           | 29.4 mm                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |                                                                                             |                                                                                              |                                          |
| Approvals Certificates                                                                          |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |
| General Product Approval                                                                        | EMV                                                                                                                                                                                                                                                                                                                                                           | Test Certificates                                                                          |                                                                                             |                                                                                              |                                          |
| <br>EG-Konf. |                                                                                                                                                                                                                                                                            | <br>UL  |          | <br>RCM | <a href="#">Special Test Certificate</a> |
| Test Certificates                                                                               | Maritime application                                                                                                                                                                                                                                                                                                                                          | other                                                                                      |                                                                                             |                                                                                              |                                          |
| <a href="#">Type Test Certificates/Test Report</a>                                              | <br>LRS                                                                                                                                                                                                                                                                    | <br>PRS | <br>RINA |         | <a href="#">Confirmation</a>             |
| Environment                                                                                     |                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                             |                                                                                              |                                          |



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firmations](#)

#### 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=3SU1401-1BB40-1AA0>

##### Cax online generator

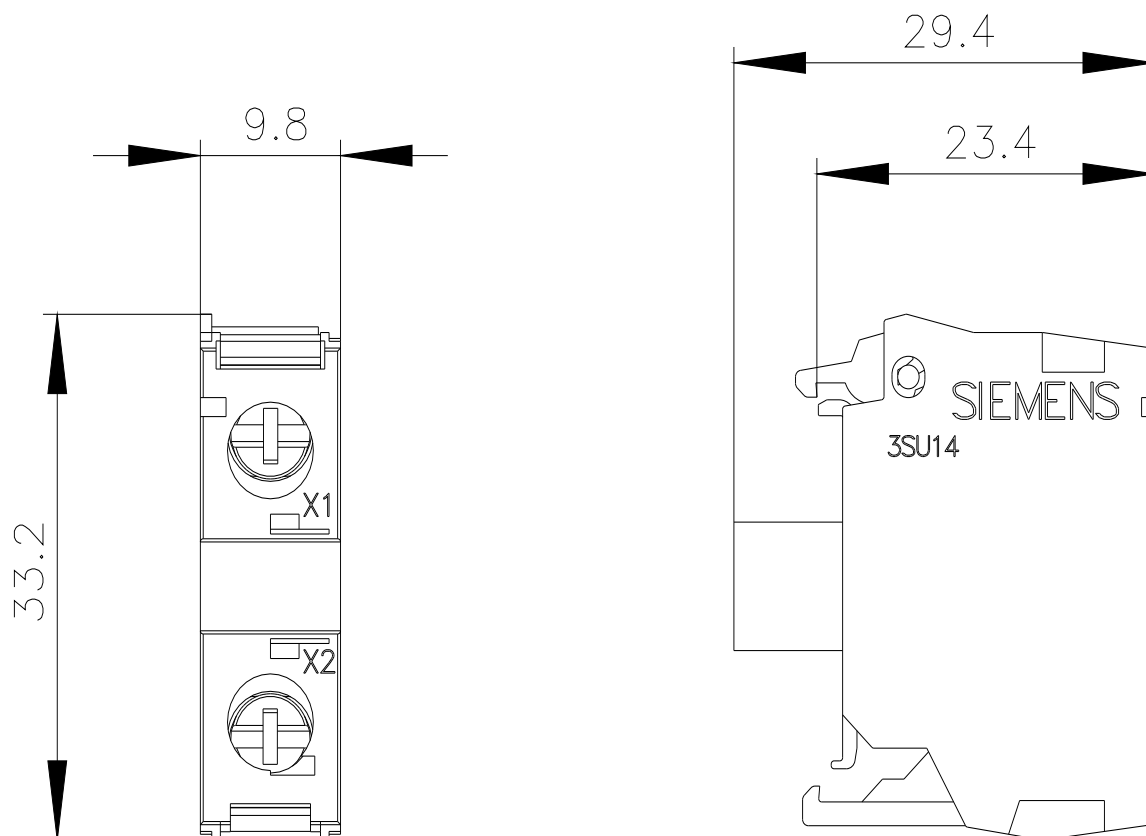
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB40-1AA0>

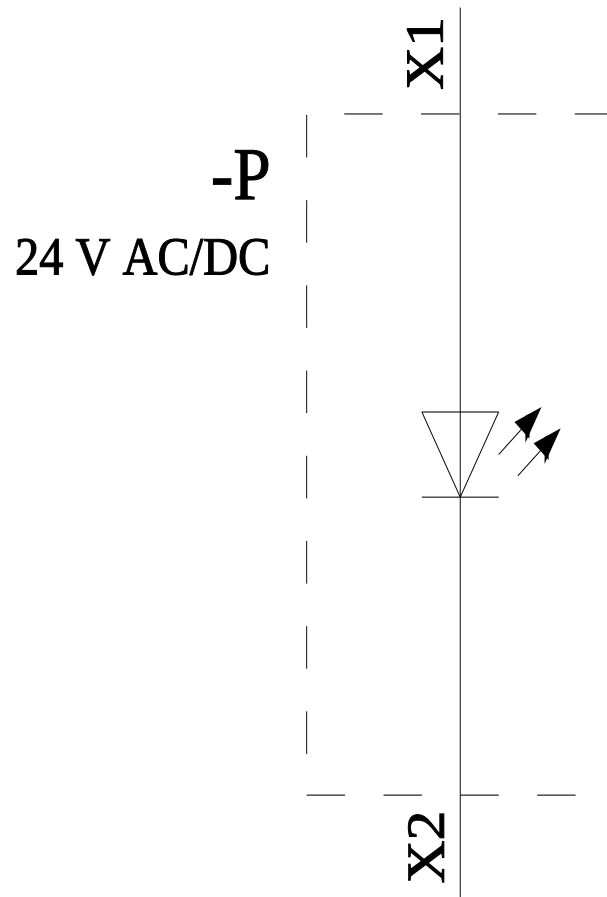
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB40-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB40-1AA0&lang=en)





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