

Siemens  
EcoTech



LED module w. indicator lights with integrated LED 110 V AC, red-yellow-green, 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, clamping screw tightened                                                                                                                                                                      |
| 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<br>2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) - 3147-75-9 |
| Net Weight                                           | 17 g                                                                                                                                                                                                |
| operating voltage 1                                  |                                                                                                                                                                                                     |
| • at AC                                              |                                                                                                                                                                                                     |
| — at 50 Hz rated value                               | 110 V                                                                                                                                                                                               |
| relative positive tolerance of the operating voltage | 20 %                                                                                                                                                                                                |
| relative negative tolerance of the operating voltage | 10 %                                                                                                                                                                                                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                                                                    | red/yellow/ green                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |
| 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, 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                                                                                                                                                                                                                                                                                                                                                                                                                                       | 36 mm                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9.8 mm                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |
| depth                                                                                                                                                                                                                                                                                                                                                                                                                                        | 49.7 mm                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |
| Approvals Certificates                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                | EMV                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                | Test Certificates                                  |
| <div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Type Test Certificates/Test Report</a> |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                            | Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                           | other                                              |
| <a href="#">Special Test Certificate</a>                                                                                                                                                                                                                                                                                                                                                                                                     | <div></div> |                                                    |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                        | Environment                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |

## 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=3SU1401-1BC24-1AA0>

## Cax online generator

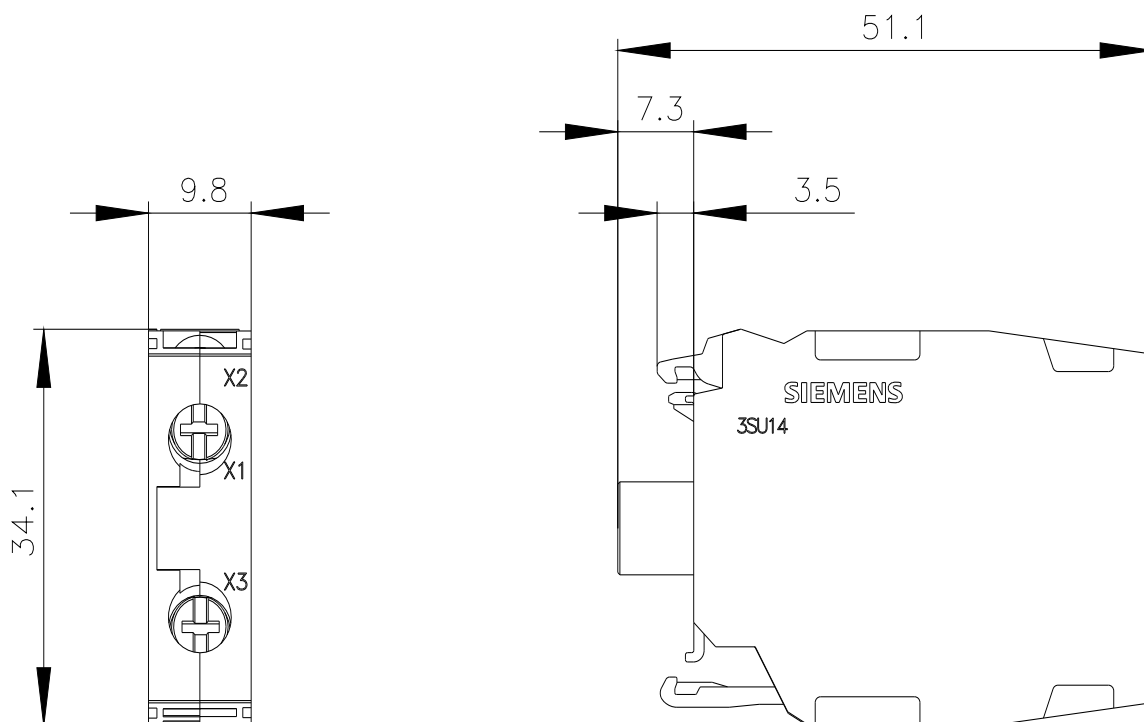
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC24-1AA0>

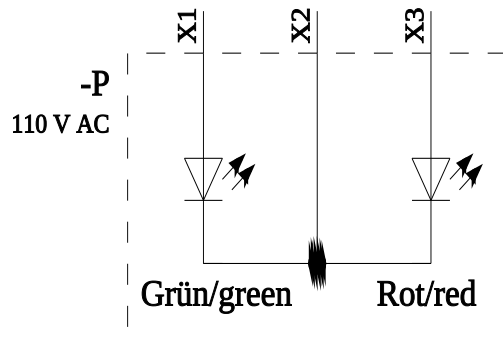
## Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC24-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BC24-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC24-1AA0&lang=en)





| X1 | X2 | X3 | Farbe/color |
|----|----|----|-------------|
| X  | X  |    | Grün/green  |
|    | X  | X  | Rot/red     |
| X  | X  | X  | Gelb/yellow |

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4/2/2025 [🔗](#)