

Siemens  
EcoTech



LED module with integrated LED 24-240 V AC/DC, blue, screw terminal, for floor mounting, Z=50-unit packaging



|                                                      |                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 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                                   | 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)                        | 03/01/2017                                                                                                                          |
| SVHC substance name                                  | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 |
| Weight                                               | 0.008 kg                                                                                                                            |
| operating voltage                                    |                                                                                                                                     |
| • at AC                                              |                                                                                                                                     |
| — at 50 Hz rated value                               | 24 ... 240 V                                                                                                                        |
| — at 60 Hz rated value                               | 24 ... 240 V                                                                                                                        |
| • at DC rated value                                  | 24 ... 240 V                                                                                                                        |
| relative positive tolerance of the operating voltage | 20 %                                                                                                                                |
| relative negative tolerance of the operating voltage | 20 %                                                                                                                                |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|
| Control circuit/ Control                                                     |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| inrush current maximum                                                       | 3 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> |     |                   |
| • solid with core end processing                                             |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • solid without core end processing                                          |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • finely stranded with core end processing                                   |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • finely stranded without core end processing                                |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • for AWG cables                                                             |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| 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                                                    | blue                                                                                                                                                                                                                                                                                                                                                          |     |                   |
| light intensity                                                              | 280 ... 710 mcd                                                                                                                                                                                                                                                                                                                                               |     |                   |
| ATEX                                                                         |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| certificate of suitability                                                   | <ul style="list-style-type: none"><li>• ATEXNo</li><li>• IECExNo</li></ul>                                                                                                                                                                                                                                                                                    |     |                   |
| • ATEX                                                                       |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • IECEx                                                                      |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| 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>                                                                                                                                                                                                                                       |     |                   |
| • during operation                                                           |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| • during storage                                                             |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| 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 accessoriesFloor mounting</li></ul>                                                                                                                                                                                                                                                                    |     |                   |
| • of modules and accessories                                                 |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| height                                                                       | 33.2 mm                                                                                                                                                                                                                                                                                                                                                       |     |                   |
| width                                                                        | 9.8 mm                                                                                                                                                                                                                                                                                                                                                        |     |                   |
| depth                                                                        | 29.4 mm                                                                                                                                                                                                                                                                                                                                                       |     |                   |
| Approvals Certificates                                                       |                                                                                                                                                                                                                                                                                                                                                               |     |                   |
| General Product Approval                                                     |                                                                                                                                                                                                                                                                                                                                                               | EMV | Test Certificates |



[Type Test Certificates/Test Report](#)

|                   |       |             |
|-------------------|-------|-------------|
| Test Certificates | other | Environment |
|-------------------|-------|-------------|

[Special Test Certificate](#)

[Confirmation](#)



[Environmental Confirmations](#)

#### Further information

**Information on the packaging**

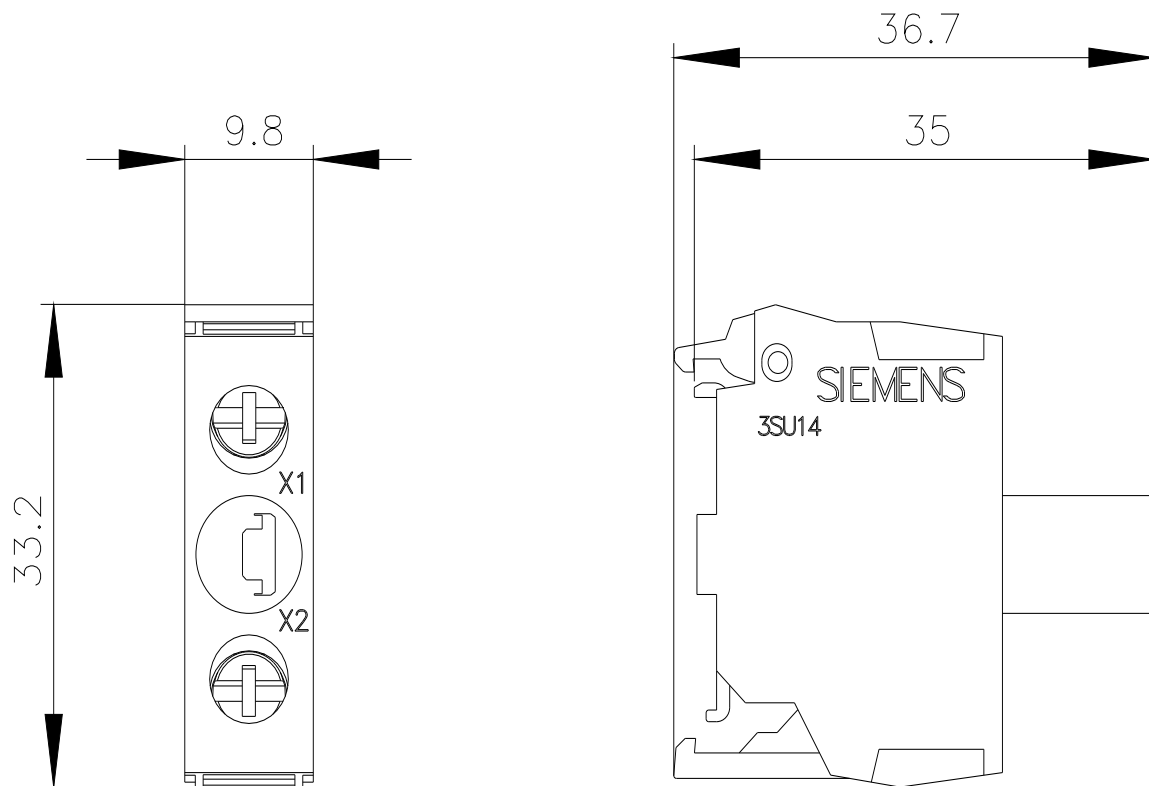
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

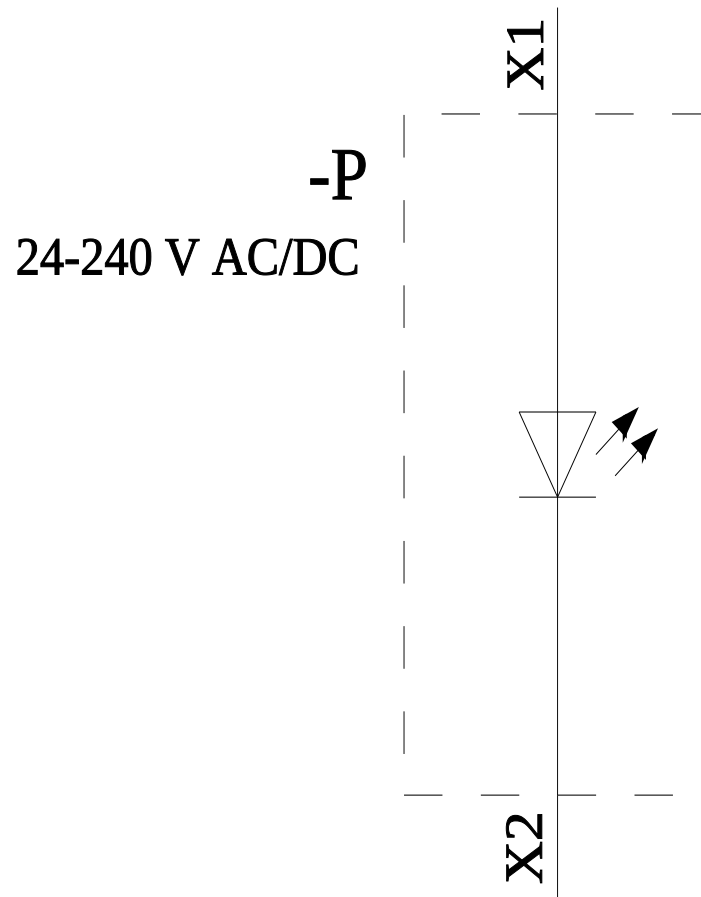
**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BH50-1AA0-Z X90>





last modified:

4/2/2025 