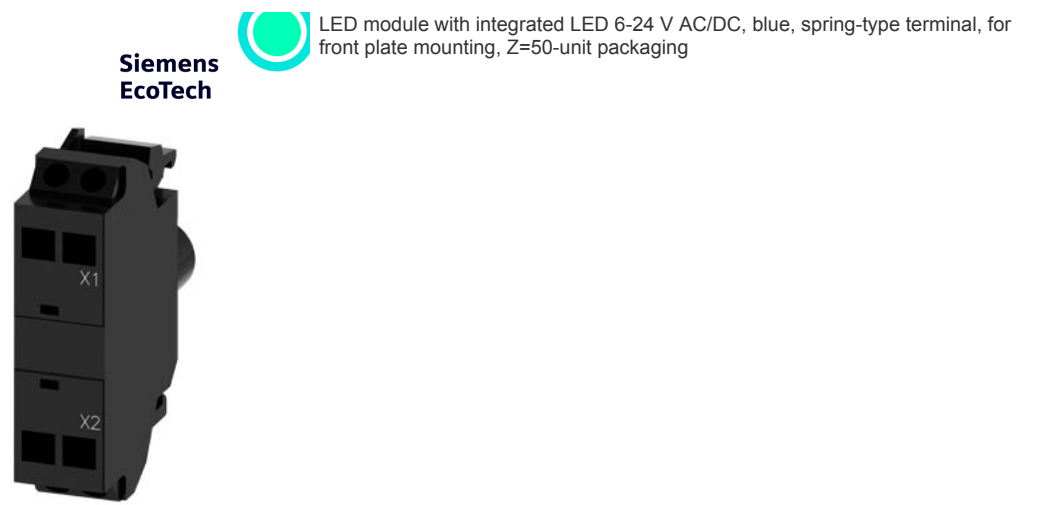




|                                                      |                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 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                             | 30 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 monoxide (lead oxide) - 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| Weight                                               | 7 g                                                                                                  |
| operating voltage                                    |                                                                                                      |
| • at AC                                              |                                                                                                      |
| — at 50 Hz rated value                               | 6 ... 24 V                                                                                           |
| — at 60 Hz rated value                               | 6 ... 24 V                                                                                           |
| • at DC rated value                                  | 6 ... 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                                                |  | spring-loaded terminals                                                                                    |                   |
| type of connectable conductor cross-sections                                 |  |                                                                                                            |                   |
| • solid without core end processing                                          |  | 2x (0.25 ... 1.5 mm²)                                                                                      |                   |
| • finely stranded with core end processing                                   |  | 2x (0.25 ... 0.75 mm²)                                                                                     |                   |
| • finely stranded without core end processing                                |  | 2x (0.25 ... 1.5 mm²)                                                                                      |                   |
| • for AWG cables                                                             |  | 2x (24 ... 16)                                                                                             |                   |
| connectable conductor cross-section finely stranded with core end processing |  | 0.25 ... 0.75 mm²                                                                                          |                   |
| Lamp                                                                         |  |                                                                                                            |                   |
| type of light source                                                         |  | LED                                                                                                        |                   |
| color of the light source                                                    |  | blue                                                                                                       |                   |
| light intensity                                                              |  | 280 ... 710 mcd                                                                                            |                   |
| ATEX                                                                         |  |                                                                                                            |                   |
| certificate of suitability                                                   |  |                                                                                                            |                   |
| • ATEX                                                                       |  | No                                                                                                         |                   |
| • IECEX                                                                      |  | No                                                                                                         |                   |
| Ambient conditions                                                           |  |                                                                                                            |                   |
| ambient temperature                                                          |  |                                                                                                            |                   |
| • during operation                                                           |  | -25 ... +70 °C                                                                                             |                   |
| • during storage                                                             |  | -40 ... +80 °C                                                                                             |                   |
| environmental category during operation according to IEC 60721               |  | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted) |                   |
| Environmental footprint                                                      |  |                                                                                                            |                   |
| Environmental Product Declaration(EPD)                                       |  | Yes                                                                                                        |                   |
| global warming potential [CO2 eq] total                                      |  | 0.787 kg                                                                                                   |                   |
| global warming potential [CO2 eq] during manufacturing                       |  | 0.566 kg                                                                                                   |                   |
| global warming potential [CO2 eq] during operation                           |  | 0.235 kg                                                                                                   |                   |
| global warming potential [CO2 eq] after end of life                          |  | -0.015 kg                                                                                                  |                   |
| Siemens Eco Profile (SEP)                                                    |  | Siemens EcoTech                                                                                            |                   |
| Installation/ mounting/ dimensions                                           |  |                                                                                                            |                   |
| fastening method                                                             |  |                                                                                                            |                   |
| • of modules and accessories                                                 |  | Front plate mounting                                                                                       |                   |
| height                                                                       |  | 36 mm                                                                                                      |                   |
| width                                                                        |  | 9.8 mm                                                                                                     |                   |
| depth                                                                        |  | 29.4 mm                                                                                                    |                   |
| Approvals Certificates                                                       |  |                                                                                                            |                   |
| General Product Approval                                                     |  | EMV                                                                                                        | Test Certificates |



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

other

Environment

[Confirmation](#)



Siemens  
EcoTech



[Environmental Confirmations](#)

#### Further information

Information on the packaging

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

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

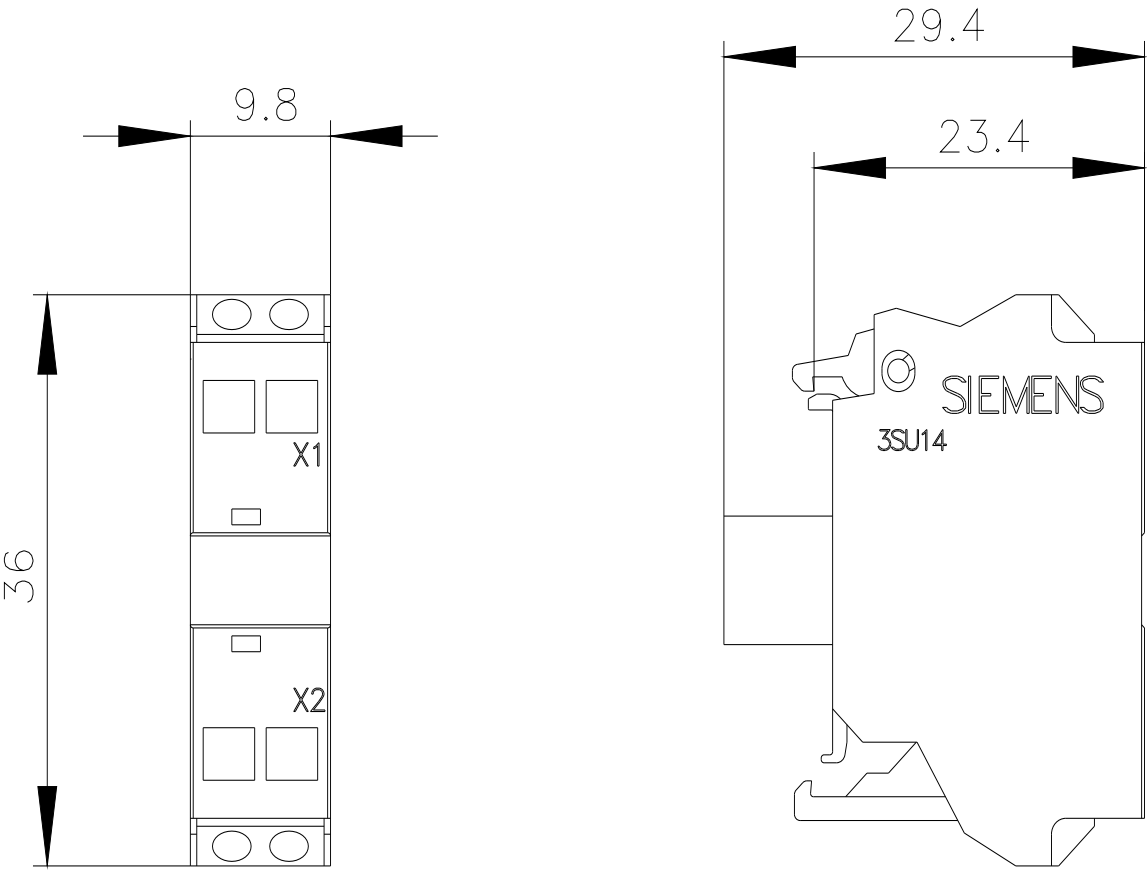
<https://www.siemens.com/ic10>

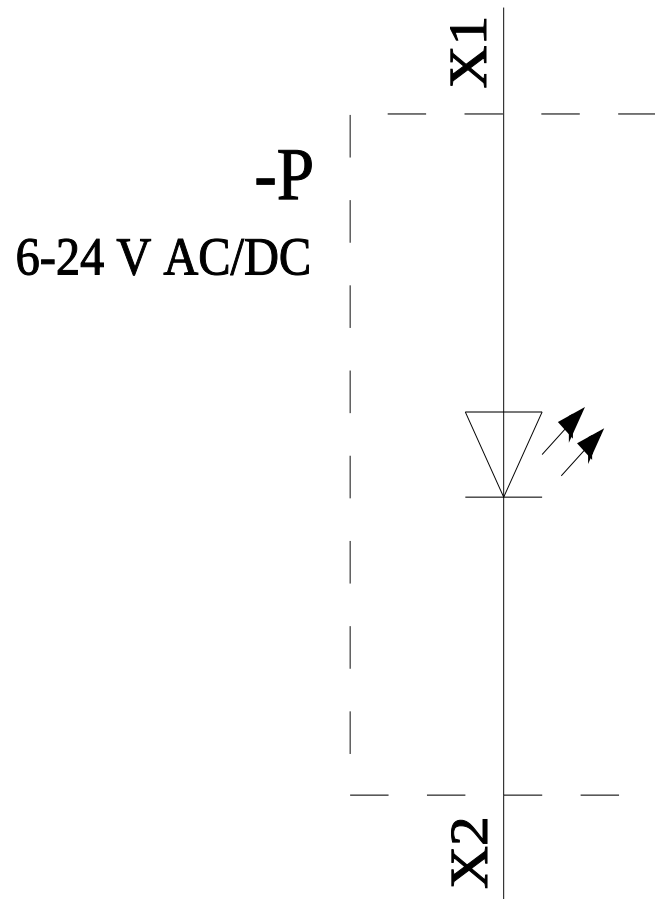
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG50-3AA0-Z X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG50-3AA0-Z X90>





last modified:

4/2/2025 