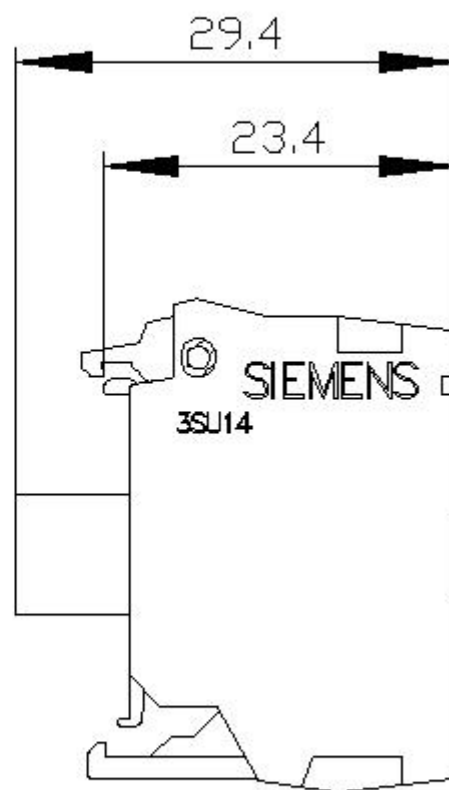
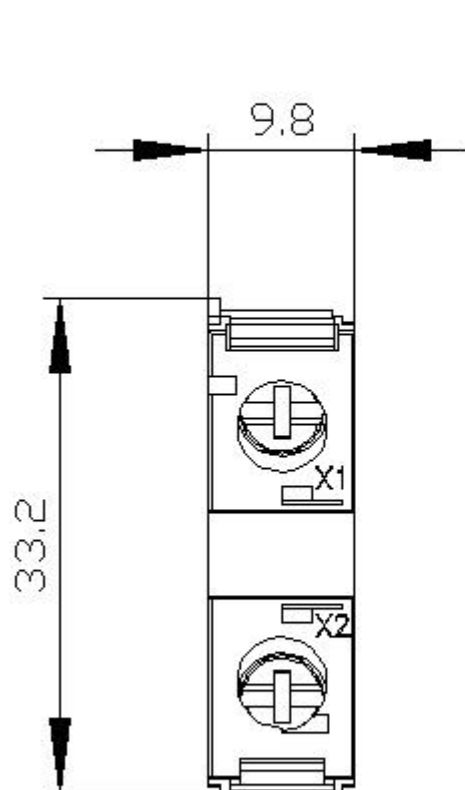


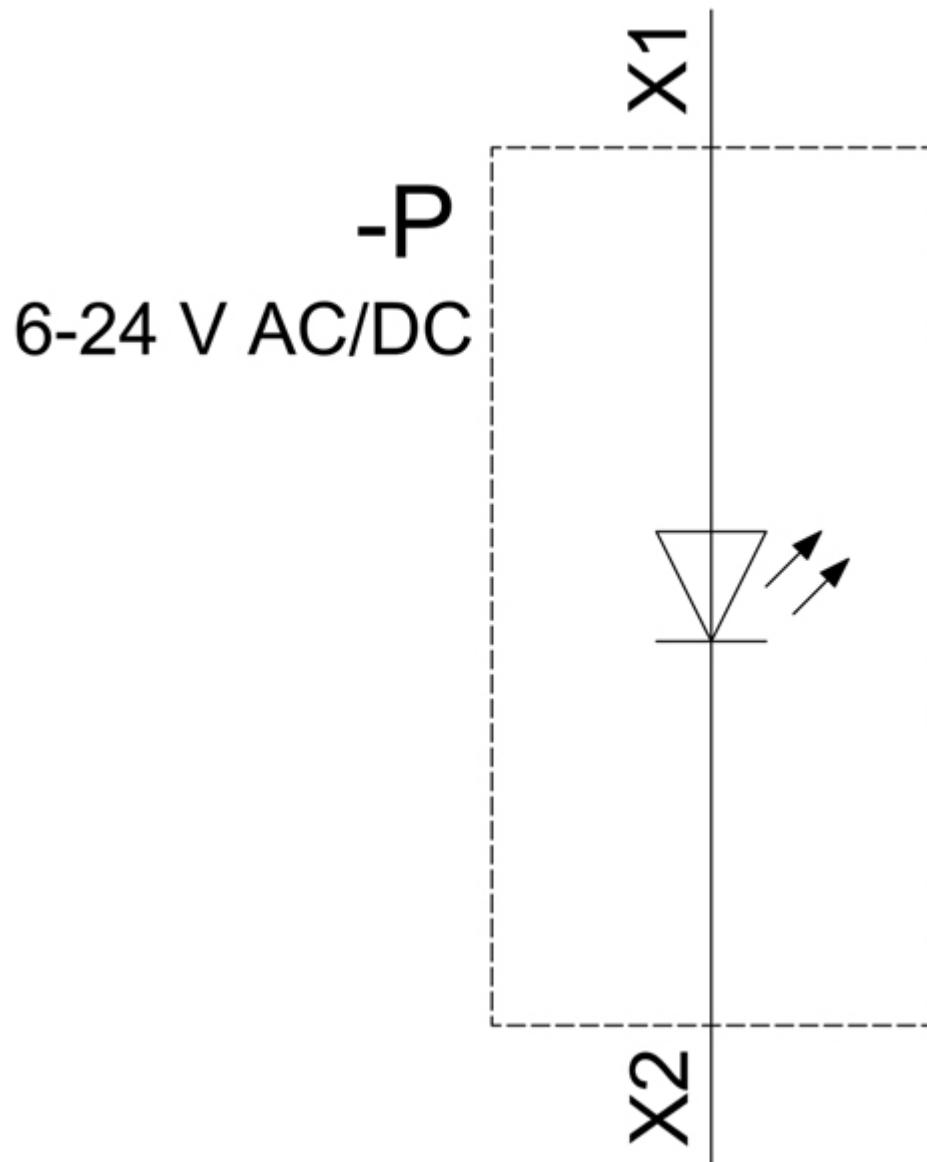


LED module with integrated LED 6-24 V AC/DC, red, screw terminal, for front plate mounting, Z=50-unit packaging

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| product brand name                                   | SIRIUS ACT                       |
| product designation                                  | LED module                       |
| product type designation                             | 3SU1                             |
| <b>General technical data</b>                        |                                  |
| 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                                     |                                  |
| • acc. to IEC 60068-2-27                             | Sinusoidal half-wave 50g / 11 ms |
| • for railway applications acc. to DIN EN 61373      | Category 1, Class B              |
| vibration resistance                                 |                                  |
| • acc. to IEC 60068-2-6                              | 10 ... 500 Hz: 5g                |
| • for railway applications acc. to DIN EN 61373      | Category 1, Class B              |
| operating period typical                             | 100 000 h                        |
| reference code acc. to IEC 81346-2                   | P                                |
| • operating voltage at AC                            |                                  |
| — at 50 Hz rated value                               | 6 ... 24 V                       |
| — at 60 Hz rated value                               | 6 ... 24 V                       |
| • operating voltage at DC rated value                | 6 ... 24 V                       |
| relative positive tolerance of the operating voltage | 20 %                             |
| relative negative tolerance of the operating voltage | 20 %                             |
| <b>Control circuit/ Control</b>                      |                                  |
| inrush current maximum                               | 2 A                              |
| <b>Connections/ Terminals</b>                        |                                  |
| type of electrical connection                        | screw-type terminals             |
| type of connectable conductor cross-sections         |                                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG cables</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1,0 ... 1,5 mm <sup>2</sup> )<br>2x (18 ... 14) |
| <ul style="list-style-type: none"> <li>• tightening torque with screw-type terminals</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.8 ... 0.9 N·m                                                                                                                                                     |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                     |
| <b>type of light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LED                                                                                                                                                                 |
| <b>color of the light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | red                                                                                                                                                                 |
| <b>light intensity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 450 ... 1 120 mcd                                                                                                                                                   |
| <b>certificate of suitability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No<br>No                                                                                                                                                            |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• ambient temperature during operation</li> <li>• ambient temperature during storage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -25 ... +70 °C<br>-40 ... +80 °C                                                                                                                                    |
| environmental category during operation acc. to IEC 60721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted)                                                         |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Front plate mounting                                                                                                                                                |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 33.2 mm                                                                                                                                                             |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9.8 mm                                                                                                                                                              |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 29.4 mm                                                                                                                                                             |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a><br><b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG20-1AA0-Z X90">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG20-1AA0-Z X90</a><br><b>Cax online generator</b><br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-1BG20-1AA0-Z X90">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-1BG20-1AA0-Z X90</a><br><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG20-1AA0-Z X90">https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG20-1AA0-Z X90</a><br><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG20-1AA0-Z X90&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG20-1AA0-Z X90&amp;lang=en</a> |                                                                                                                                                                     |





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12/21/2020 