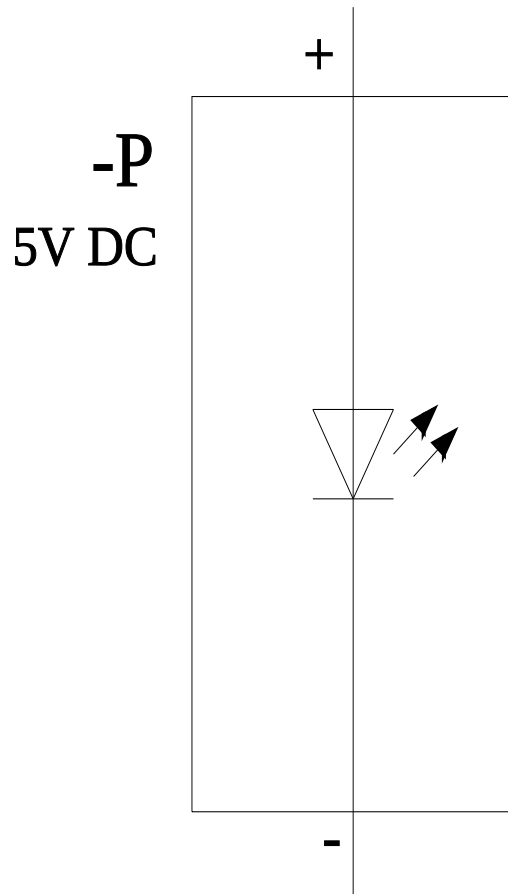
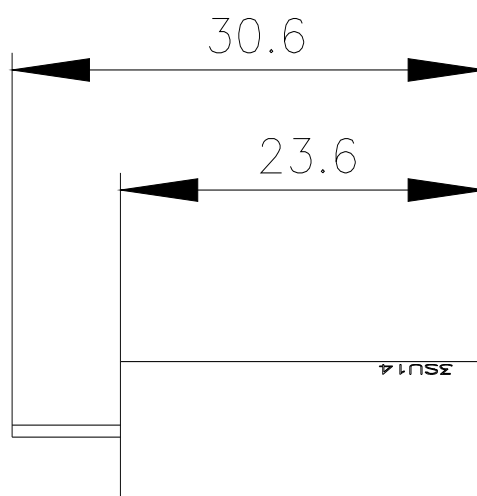
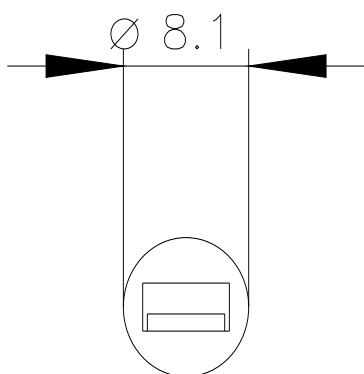




LED module with integrated LED, 5 V DC, amber, solder terminal, for use on printed circuit boards

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| 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                       | 30 V                             |
| degree of pollution                                  | 3                                |
| type of voltage of the operating voltage             | DC                               |
| • for actuation                                      | DC                               |
| surge voltage resistance rated value                 | 0.8 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)                        | 10/01/2014                       |
| operating voltage 1                                  |                                  |
| • at DC rated value                                  | 5 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                               | 0.1 A                            |
| <b>Connections/ Terminals</b>                        |                                  |
| type of electrical connection                        | Socket connection (THT)          |
| <b>Lamp</b>                                          |                                  |
| type of light source                                 | LED                              |
| color of the light source                            | amber                            |
| light intensity                                      | 450 ... 1 120 mcd                |
| certificate of suitability                           |                                  |

| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No                                                                                                                                                                                                                                                                                                                                                  |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                                                                                                                                                                                                                                                                                  |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>ambient temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -25 ... +70 °C<br>-40 ... +80 °C                                                                                                                                                                                                                                                                                                                    |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| environmental category during operation according to IEC 60721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3M6, 3S2, 3B2, 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Printed circuit board                                                                                                                                                                                                                                                                                                                               |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8.1 mm                                                                                                                                                                                                                                                                                                                                              |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8.1 mm                                                                                                                                                                                                                                                                                                                                              |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30.6 mm                                                                                                                                                                                                                                                                                                                                             |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>suitability for integration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• plastic enclosure</li> <li>• metal enclosure</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No<br>No                                                                                                                                                                                                                                                                                                                                            |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <table> <tr> <th>General Product Approval</th><th>Declaration of Conformity</th></tr> <tr> <td>  <a href="#">Confirmation</a> </td><td>     </td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                     | General Product Approval | Declaration of Conformity |  <a href="#">Confirmation</a> |             |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Declaration of Conformity                                                                                                                                                                                                                                                                                                                           |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
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| <table> <tr> <th>Test Certificates</th><th>Marine / Shipping</th></tr> <tr> <td> <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a> </td><td>     </td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                     | Test Certificates        | Marine / Shipping         | <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a>                    |     |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Marine / Shipping                                                                                                                                                                                                                                                                                                                                   |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
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| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Environment                                                                                                                                                                                                                                                                                                                                         |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |
| <p>Siemens has decided to exit the Russian market (see here).<br/> <a href="https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business">https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business</a></p> <p>Siemens is working on the renewal of the current EAC certificates.<br/> Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).</p> <p>Information on the packaging<br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)<br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p>Industry Mall (Online ordering system)<br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-3BA00-5AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-3BA00-5AA0</a></p> <p>Cax online generator<br/> <a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-3BA00-5AA0">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1401-3BA00-5AA0</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-3BA00-5AA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-3BA00-5AA0</a></p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-3BA00-5AA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-3BA00-5AA0&amp;lang=en</a></p> |                                                                                                                                                                                                                                                                                                                                                     |                          |                           |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |





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