

Siemens  
EcoTech



Indicator lights, 22 mm, round, plastic, red, lens, smooth, with holder, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, lower case



|                                                  |                                                 |
|--------------------------------------------------|-------------------------------------------------|
| product brand name                               | SIRIUS ACT                                      |
| product designation                              | Indicator lights                                |
| design of the product                            | Complete unit                                   |
| product type designation                         | 3SU1                                            |
| product line                                     | Plastic, black, 22 mm                           |
| manufacturer's article number                    |                                                 |
| • of supplied LED module                         | <a href="#">3SU1401-1BC20-1AA0</a>              |
| • of the supplied holder                         | <a href="#">3SU1550-0AA10-0AA0</a>              |
| • of supplied repeater                           | <a href="#">3SU1001-6AA20-0AA0</a>              |
| Enclosure                                        |                                                 |
| number of command points                         | 1                                               |
| Actuator                                         |                                                 |
| product extension optional light source          | Yes                                             |
| color                                            |                                                 |
| • of the actuating element                       | red                                             |
| material of the actuating element                | plastic                                         |
| shape of the actuating element                   | round                                           |
| outer diameter of the actuating element          | 29.45 mm                                        |
| marking of the actuating element                 | Customized labeling, text in lower case letters |
| Front ring                                       |                                                 |
| product component front ring                     | No                                              |
| Holder                                           |                                                 |
| material of the holder                           | Plastic                                         |
| Display                                          |                                                 |
| number of LED modules                            | 1                                               |
| General technical data                           |                                                 |
| product component light source                   | Yes                                             |
| insulation voltage rated value                   | 320 V                                           |
| degree of pollution                              | 3                                               |
| surge voltage resistance rated value             | 4 kV                                            |
| protection class IP                              | IP66, IP67, IP69(IP69K)                         |
| protection class IP of the terminal              | IP20                                            |
| degree of protection NEMA rating                 | 1, 2, 3, 3R, 4, 4X, 12, 13                      |
| 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                             |                                                 |

|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>                                                                                                                                                                          | 10 ... 500 Hz: 5g<br>Category 1, Class B                                                                                                                            |
| reference code according to IEC 81346-2                                                                                                                                                                                                                                                                           | P                                                                                                                                                                   |
| Substance Prohibitance (Date)                                                                                                                                                                                                                                                                                     | 10/01/2014                                                                                                                                                          |
| Weight                                                                                                                                                                                                                                                                                                            | 0.038 kg                                                                                                                                                            |
| <b>Supply voltage</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                     |
| type of voltage of the supply voltage of the light source                                                                                                                                                                                                                                                         | AC                                                                                                                                                                  |
| supply voltage of the light source at AC <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>                                                                                                                                 | 110 V<br>110 V<br>110 ... 110 V                                                                                                                                     |
| relative negative tolerance of the supply voltage                                                                                                                                                                                                                                                                 | 20 %                                                                                                                                                                |
| relative positive tolerance of the supply voltage                                                                                                                                                                                                                                                                 | 20 %                                                                                                                                                                |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                                                                   |                                                                                                                                                                     |
| inrush current maximum                                                                                                                                                                                                                                                                                            | 3 A                                                                                                                                                                 |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| type of electrical connection <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                      | other<br>Screw-type terminal                                                                                                                                        |
| 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>• for 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) |
| tightening torque of the screws in the bracket                                                                                                                                                                                                                                                                    | 1 ... 1.2 N·m                                                                                                                                                       |
| tightening torque with screw-type terminals                                                                                                                                                                                                                                                                       | 0.8 ... 0.9 N·m                                                                                                                                                     |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                     |
| type of light source                                                                                                                                                                                                                                                                                              | LED                                                                                                                                                                 |
| color of the light source                                                                                                                                                                                                                                                                                         | red                                                                                                                                                                 |
| light intensity                                                                                                                                                                                                                                                                                                   | 450 ... 1 120 mcd                                                                                                                                                   |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| ambient temperature <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 for all devices behind front panel)                            |
| <b>Environmental footprint</b>                                                                                                                                                                                                                                                                                    |                                                                                                                                                                     |
| Environmental Product Declaration (EPD)                                                                                                                                                                                                                                                                           | Yes                                                                                                                                                                 |
| global warming potential [CO <sub>2</sub> eq] total                                                                                                                                                                                                                                                               | 0.787 kg                                                                                                                                                            |
| global warming potential [CO <sub>2</sub> eq] during manufacturing                                                                                                                                                                                                                                                | 0.566 kg                                                                                                                                                            |
| global warming potential [CO <sub>2</sub> eq] during operation                                                                                                                                                                                                                                                    | 0.235 kg                                                                                                                                                            |
| global warming potential [CO <sub>2</sub> eq] after end of life                                                                                                                                                                                                                                                   | -0.015 kg                                                                                                                                                           |
| Siemens Eco Profile (SEP)                                                                                                                                                                                                                                                                                         | Siemens EcoTech                                                                                                                                                     |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| fastening method <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                   | front plate mounting<br>Front plate mounting                                                                                                                        |
| height                                                                                                                                                                                                                                                                                                            | 40 mm                                                                                                                                                               |
| width                                                                                                                                                                                                                                                                                                             | 30 mm                                                                                                                                                               |
| shape of the installation opening                                                                                                                                                                                                                                                                                 | round                                                                                                                                                               |
| mounting diameter                                                                                                                                                                                                                                                                                                 | 22.3 mm                                                                                                                                                             |
| positive tolerance of installation diameter                                                                                                                                                                                                                                                                       | 0.4 mm                                                                                                                                                              |
| mounting height                                                                                                                                                                                                                                                                                                   | 11.8 mm                                                                                                                                                             |
| installation width                                                                                                                                                                                                                                                                                                | 29.5 mm                                                                                                                                                             |
| installation depth                                                                                                                                                                                                                                                                                                | 49.7 mm                                                                                                                                                             |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| General Product Approval                                                                                                                                                                                                                                                                                          | Test Certificates                                                                                                                                                   |

[Confirmation](#)



[Type Test Certificates/Test Report](#)

other

Environment

[Confirmation](#)



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[Environmental Confirmations](#)

#### Further information

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1103-6AA20-1AA0-Z Y12>

Cax online generator

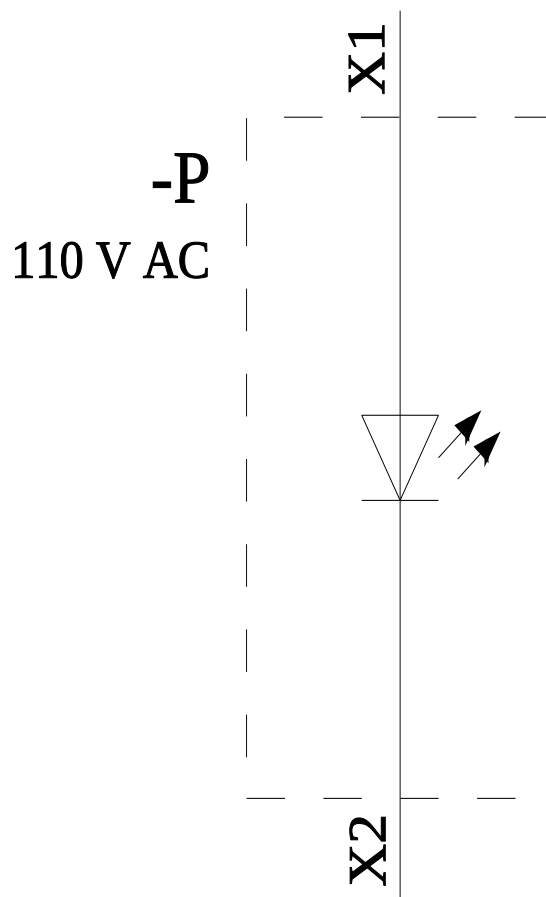
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-6AA20-1AA0-Z Y12>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-6AA20-1AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1103-6AA20-1AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-6AA20-1AA0-Z Y12&lang=en)



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