

Siemens  
EcoTech



SIRIUS ACT: terminal module (LED module), integrated LED yellow, for front plate mounting



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|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                                                                             | SIRIUS ACT                                                                                                                          |
| product designation                                                                                            | Terminal module                                                                                                                     |
| design of the product                                                                                          | with integrated LED                                                                                                                 |
| product type designation                                                                                       | 3SU1                                                                                                                                |
| <b>Display</b>                                                                                                 |                                                                                                                                     |
| display version                                                                                                |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>for diagnostic function: Supply voltage monitoring power LED</li> </ul> | Yes                                                                                                                                 |
| <ul style="list-style-type: none"> <li>status Tx/Rx link</li> </ul>                                            | No                                                                                                                                  |
| <b>General technical data</b>                                                                                  |                                                                                                                                     |
| product function                                                                                               |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>reverse polarity protection</li> </ul>                                  | Yes; Ribbon cable can be rotated 180°.                                                                                              |
| <ul style="list-style-type: none"> <li>diagnostics function</li> </ul>                                         | Yes                                                                                                                                 |
| firmware version                                                                                               | 1.0.0                                                                                                                               |
| hardware version                                                                                               | 1                                                                                                                                   |
| software version with STEP 7 in the TIA Portal required                                                        | V13 SP1 (V13 SP1 and V14 with HSP0132)                                                                                              |
| power loss [W] typical                                                                                         | 0.115 W                                                                                                                             |
| degree of pollution                                                                                            | 3                                                                                                                                   |
| type of voltage                                                                                                |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>of the operating voltage</li> </ul>                                     | DC                                                                                                                                  |
| <ul style="list-style-type: none"> <li>of the input voltage</li> </ul>                                         | DC                                                                                                                                  |
| surge voltage resistance rated value                                                                           | 0.8 kV                                                                                                                              |
| consumed current                                                                                               |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                                                      | 27 mA                                                                                                                               |
| <ul style="list-style-type: none"> <li>rated value</li> </ul>                                                  | 23 mA                                                                                                                               |
| protection class IP                                                                                            | IP20                                                                                                                                |
| shock resistance                                                                                               |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>                                  | sinusoidal half-wave 15g / 11 ms                                                                                                    |
| <ul style="list-style-type: none"> <li>for railway applications according to EN 61373</li> </ul>               | Category 1, Class B                                                                                                                 |
| vibration resistance                                                                                           |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>according to IEC 60068-2-6</li> </ul>                                   | 10 ... 500 Hz: 5g                                                                                                                   |
| <ul style="list-style-type: none"> <li>for railway applications according to EN 61373</li> </ul>               | Category 1, Class B                                                                                                                 |
| reference code according to IEC 81346-2                                                                        | K                                                                                                                                   |
| Substance Prohibitance (Date)                                                                                  | 12/19/2016                                                                                                                          |
| SVHC substance name                                                                                            | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 |

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| <b>Weight</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19 g                                                                                                  |
| <b>Communication/ Protocol</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                       |
| <b>protocol is supported</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                       |
| • PROFIsafe protocol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                                                    |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Insulation displacement connection                                                                    |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ribbon cable 7-pole, 7 x 0.08 mm <sup>2</sup>                                                         |
| <b>connectable conductor cross-section for auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                       |
| • solid or stranded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.08 ... 0.08 mm <sup>2</sup>                                                                         |
| • finely stranded with core end processing maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.08 mm <sup>2</sup>                                                                                  |
| <b>connectable conductor cross-section</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |
| • solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.08 ... 0.08 mm <sup>2</sup>                                                                         |
| • solid with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.08 ... 0.08 mm <sup>2</sup>                                                                         |
| • finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.08 ... 0.08 mm <sup>2</sup>                                                                         |
| • finely stranded without core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.08 ... 0.08 mm <sup>2</sup>                                                                         |
| <b>Lamp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                       |
| <b>color of the light source</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | yellow                                                                                                |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |
| product function suitable for safety function                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                    |
| <b>service life maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20 a                                                                                                  |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       |
| <b>ambient temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |
| • during operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -25 ... +60 °C                                                                                        |
| • during storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -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>explosion protection marking for intrinsic safety of related equipment EEx ia</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                                                    |
| <b>explosion protection marking for intrinsic safety of related equipment EEx ib</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                                                    |
| <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 of modules and accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Front plate mounting                                                                                  |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 32.6 mm                                                                                               |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30 mm                                                                                                 |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 31.5 mm                                                                                               |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |
| <div>General Product Approval</div> <div>     <div> <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a> </div> </div> |                                                                                                       |

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| <b>other</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Environment</b> |
| <div>  <div> <a href="#">Confirmation</a>    <div> <a href="#">Environmental Confirmations</a> </div> </div> </div> |                    |

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| <b>Further information</b>                                                                                                                                              |
| 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> |

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1ME30-1DA1>

Cax online generator

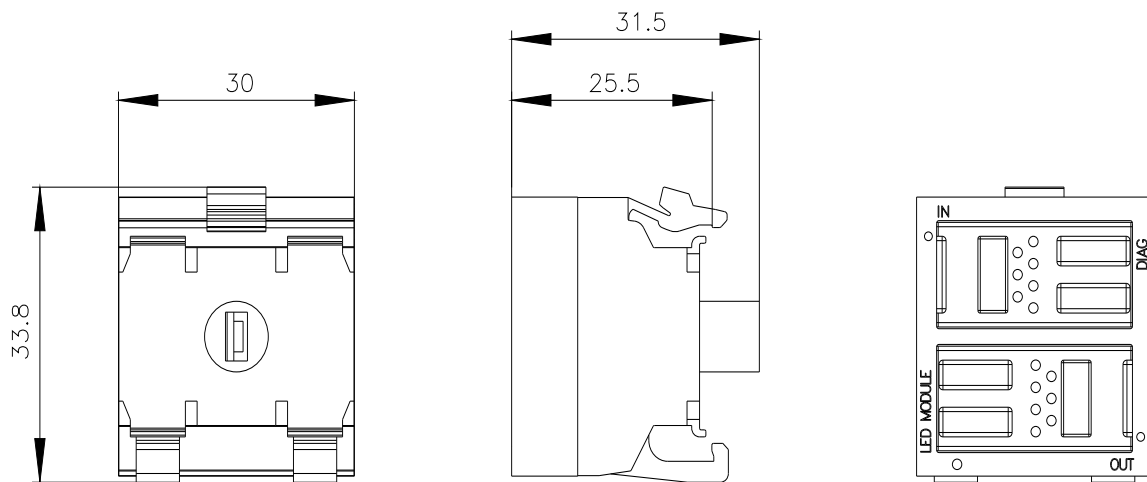
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1ME30-1DA1>

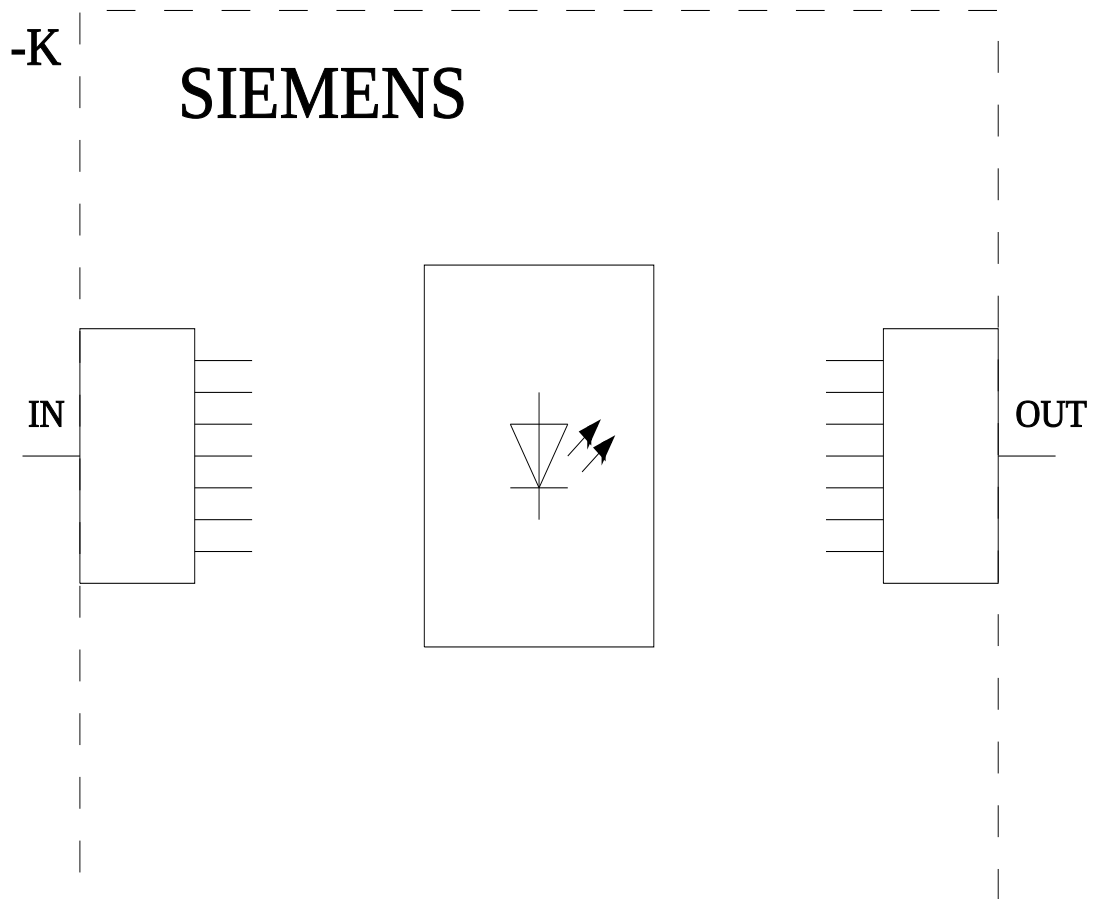
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1ME30-1DA1>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1ME30-1DA1&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1ME30-1DA1&lang=en)





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