



Plug-in relay complete unit 2 W, 230 V AC LED module red Standard plug-in socket screw terminal

|                                                                          |                                   |
|--------------------------------------------------------------------------|-----------------------------------|
| product brand name                                                       | SIRIUS                            |
| product designation                                                      | Coupling relay with plug-in relay |
| product type designation                                                 | LZS                               |
| <b>General technical data</b>                                            |                                   |
| display version LED                                                      | Yes                               |
| percental drop-out voltage related to the input voltage                  | 15 %                              |
| protection class IP                                                      | IP20                              |
| operating frequency without load                                         | 36 000 1/h                        |
| operating frequency with load                                            | 360 1/h                           |
| switching behavior                                                       | monostable                        |
| mechanical service life (operating cycles) typical                       | 5 000 000                         |
| electrical endurance (operating cycles) at AC-15 at 230 V typical        | 80 000                            |
| thermal current                                                          | 8 A                               |
| reference code according to IEC 81346-2                                  | K                                 |
| Substance Prohibitance (Date)                                            | 05/01/2012                        |
| <b>Control circuit/ Control</b>                                          |                                   |
| control supply voltage at AC                                             |                                   |
| • at 50 Hz rated value                                                   | 230 V                             |
| • at 60 Hz rated value                                                   | 230 V                             |
| control supply voltage frequency                                         |                                   |
| • 1 rated value                                                          | 50 Hz                             |
| • 2 rated value                                                          | 60 Hz                             |
| supply voltage frequency for auxiliary and control circuit rated value   | 50 ... 60 Hz                      |
| operating range factor control supply voltage rated value at AC at 50 Hz |                                   |
| • initial value                                                          | 0.9                               |
| • full-scale value                                                       | 1.1                               |
| operating range factor control supply voltage rated value at AC at 60 Hz |                                   |
| • initial value                                                          | 0.9                               |
| • full-scale value                                                       | 1.1                               |
| <b>Switching Function</b>                                                |                                   |
| design of the switching function                                         | changeover switch                 |
| <b>Mechanical data</b>                                                   |                                   |
| product component plug-in socket                                         | Yes                               |
| design of the snap-on socket base                                        | Standard socket                   |
| design of the relay operating mechanism                                  | poled                             |
| <b>Short-circuit protection</b>                                          |                                   |
| design of the fuse link for short-circuit protection of the auxiliary    | fuse gG: 10 A                     |

|                                                         |                                          |
|---------------------------------------------------------|------------------------------------------|
| switch required                                         |                                          |
| <b>Auxiliary circuit</b>                                |                                          |
| type of switching contact                               | Changeover contact                       |
| material of switching contacts                          | AgNi 90/10                               |
| number of NC contacts for auxiliary contacts            | 0                                        |
| number of NO contacts for auxiliary contacts            | 0                                        |
| number of CO contacts for auxiliary contacts            | 2                                        |
| <b>Main circuit</b>                                     |                                          |
| type of voltage                                         | AC                                       |
| <b>Display</b>                                          |                                          |
| display version as status display by LED                | LED red                                  |
| <b>Connections/ Terminals</b>                           |                                          |
| product function removable terminal                     | No                                       |
| type of electrical connection                           | screw terminal                           |
| type of connectable conductor cross-sections            |                                          |
| • solid                                                 | 1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5 |
| • finely stranded with core end processing              | 1x (1,0 ... 1,5), 2x 1,0, 2x 1,5         |
| • for AWG cables solid                                  | 1x (18 ... 14), 2x 18, 2x 16, 2x 14      |
| connectable conductor cross-section                     |                                          |
| • solid                                                 | 1 ... 2.5 mm <sup>2</sup>                |
| • finely stranded with core end processing              | 1 ... 1.5 mm <sup>2</sup>                |
| AWG number as coded connectable conductor cross section |                                          |
| • solid                                                 | 18 ... 14                                |
| tightening torque with screw-type terminals             | 0.5 ... 0.7 N·m                          |
| <b>Installation/ mounting/ dimensions</b>               |                                          |
| mounting position                                       | any                                      |
| fastening method                                        | snap-on mounting                         |
| height                                                  | 78 mm                                    |
| width                                                   | 15.5 mm                                  |
| depth                                                   | 71 mm                                    |
| required spacing                                        |                                          |
| • with side-by-side mounting                            |                                          |
| — forwards                                              | 0 mm                                     |
| — backwards                                             | 0 mm                                     |
| — upwards                                               | 0 mm                                     |
| — downwards                                             | 0 mm                                     |
| — at the side                                           | 0 mm                                     |
| • for grounded parts                                    |                                          |
| — forwards                                              | 0 mm                                     |
| — backwards                                             | 0 mm                                     |
| — upwards                                               | 0 mm                                     |
| — at the side                                           | 0 mm                                     |
| — downwards                                             | 0 mm                                     |
| • for live parts                                        |                                          |
| — forwards                                              | 0 mm                                     |
| — backwards                                             | 0 mm                                     |
| — upwards                                               | 0 mm                                     |
| — downwards                                             | 0 mm                                     |
| — at the side                                           | 0 mm                                     |
| <b>Ambient conditions</b>                               |                                          |
| ambient temperature                                     |                                          |
| • during operation                                      | -40 ... +70 °C                           |
| • during storage                                        | -20 ... +70 °C                           |
| • during transport                                      | -20 ... +70 °C                           |
| <b>Approvals Certificates</b>                           |                                          |
| General Product Approval                                | Test Certificates                        |

[Confirmation](#)



[Type Test Certificates/Test Report](#)

other

Environment

[Confirmation](#)

[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=LZS:RT4A4T30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT4A4T30>

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

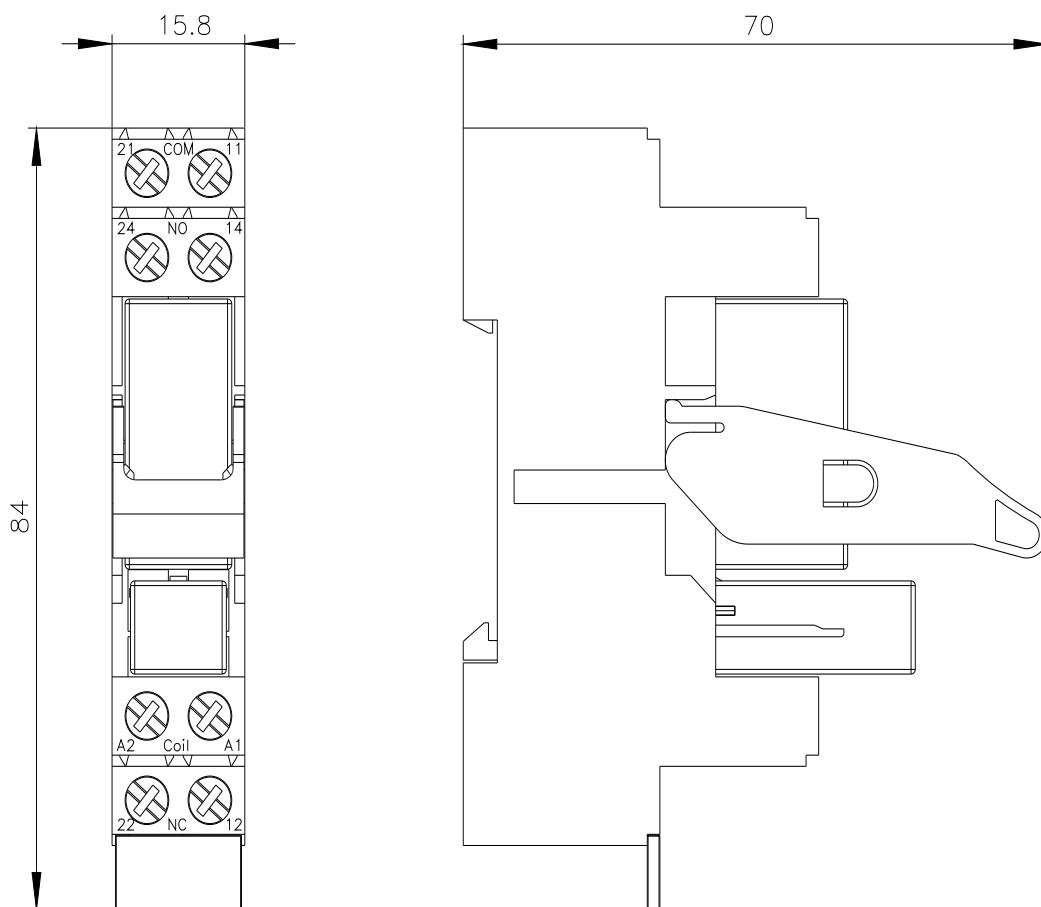
<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4A4T30>

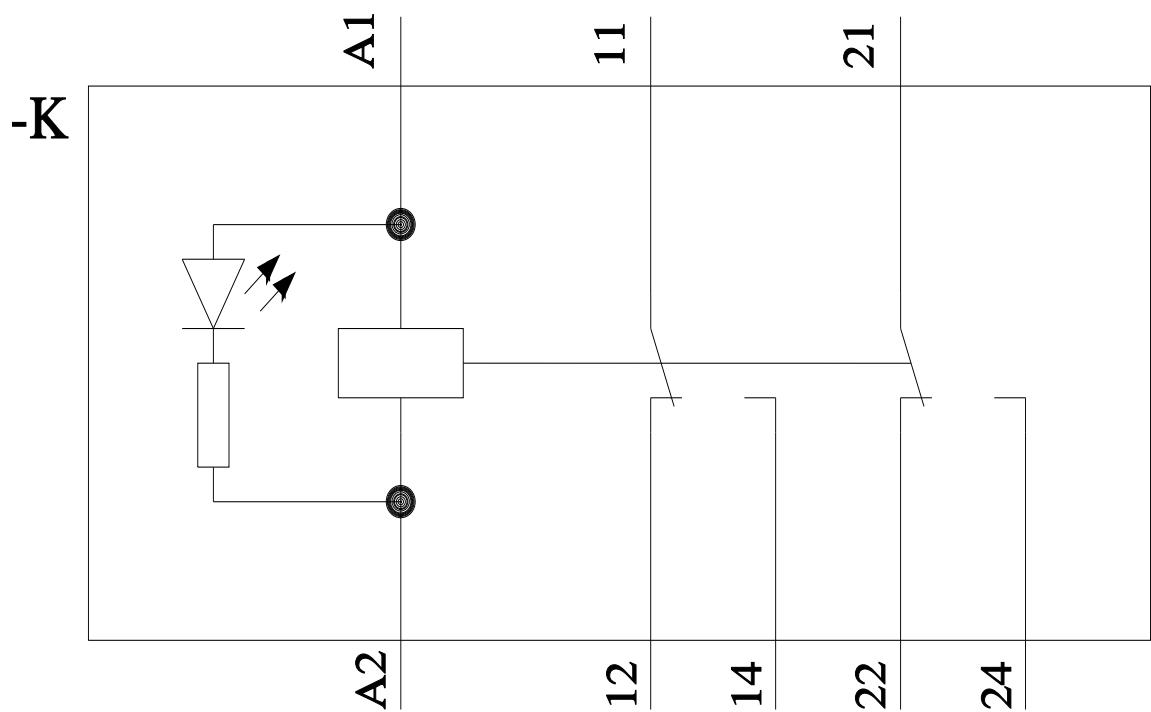
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=LZS:RT4A4T30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:RT4A4T30&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4A4T30/manual>





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