



Plug-in relay complete unit 2 W, 24 V DC LED module red Socket with logic isolation Spring-type terminal (push-in)

|                          |                                   |
|--------------------------|-----------------------------------|
| product brand name       | SIRIUS                            |
| product designation      | Coupling relay with plug-in relay |
| product type designation | LZS                               |

### General technical data

|                                                                   |                   |
|-------------------------------------------------------------------|-------------------|
| display version LED                                               | Yes               |
| consumed active power                                             | 0.4 W             |
| percental drop-out voltage related to the input voltage           | 10 %              |
| protection class IP                                               | IP20              |
| operating frequency without load                                  | 36 000 1/h        |
| operating frequency with load                                     | 360 1/h           |
| switching behavior                                                | monostable        |
| design of the switching function                                  | changeover switch |
| design of the switching function positively driven                | No                |
| mechanical service life (switching cycles) typical                | 30 000 000        |
| electrical endurance (switching cycles) at AC-15 at 230 V typical | 100 000           |
| thermal current                                                   | 8 A               |
| reference code according to IEC 81346-2                           | K                 |
| Substance Prohibitance (Date)                                     | 05/01/2012        |

### Control circuit/ Control

|                                                                 |                             |
|-----------------------------------------------------------------|-----------------------------|
| control supply voltage at DC                                    | 24 V                        |
| • rated value                                                   |                             |
| operating range factor control supply voltage rated value at DC |                             |
| • initial value                                                 | 0.9                         |
| • full-scale value                                              | 1.4                         |
| closing delay                                                   |                             |
| • at DC                                                         | 8 ms                        |
| opening delay                                                   |                             |
| • at DC                                                         | 6 ms                        |
| design of the relay operating mechanism                         | poled                       |
| product component plug-in socket                                | Yes                         |
| design of the snap-on socket base                               | Socket with logic isolation |

### Short-circuit protection

|                                                                                       |               |
|---------------------------------------------------------------------------------------|---------------|
| design of the fuse link for short-circuit protection of the auxiliary switch required | fuse gG: 10 A |
|---------------------------------------------------------------------------------------|---------------|

### Auxiliary circuit

|                                              |                    |
|----------------------------------------------|--------------------|
| 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                  |

|                                                         |                                              |       |
|---------------------------------------------------------|----------------------------------------------|-------|
| operational current of auxiliary contacts at DC-13      |                                              |       |
| • at 24 V                                               | 2 A                                          |       |
| Main circuit                                            |                                              |       |
| type of voltage                                         | DC                                           |       |
| Display                                                 |                                              |       |
| display version as status display by LED                | LED red                                      |       |
| Connections/ Terminals                                  |                                              |       |
| product function removable terminal                     | No                                           |       |
| type of electrical connection                           | spring-loaded terminals                      |       |
| type of connectable conductor cross-sections            |                                              |       |
| • solid                                                 | 1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5 |       |
| • finely stranded with core end processing              | 1x (0,75 ... 1,5), 2x 0,75                   |       |
| • finely stranded without core end processing           | 1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5 |       |
| • at AWG cables solid                                   | 1x (18 ... 16), 2x (18 ... 16)               |       |
| • at AWG cables stranded                                | 1x (18 ... 16), 2x (18 ... 16)               |       |
| connectable conductor cross-section                     |                                              |       |
| • solid                                                 | 0.75 ... 1.5 mm <sup>2</sup>                 |       |
| • finely stranded with core end processing              | 0.75 ... 1.5 mm <sup>2</sup>                 |       |
| • finely stranded without core end processing           | 0.75 ... 1.5 mm <sup>2</sup>                 |       |
| AWG number as coded connectable conductor cross section |                                              |       |
| • solid                                                 | 18 ... 16                                    |       |
| • stranded                                              | 18 ... 16                                    |       |
| Installation/ mounting/ dimensions                      |                                              |       |
| mounting position                                       | any                                          |       |
| fastening method                                        | snap-on mounting                             |       |
| height                                                  | 98 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                                         |       |
| Ambient conditions                                      |                                              |       |
| ambient temperature                                     |                                              |       |
| • during operation                                      | -40 ... +70 °C                               |       |
| • during storage                                        | -20 ... +70 °C                               |       |
| • during transport                                      | -20 ... +70 °C                               |       |
| Certificates/ approvals                                 |                                              |       |
| General Product Approval                                | Declaration of Conformity                    | other |

[Confirmation](#)



[Confirmation](#)

## Further information

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:RT4D4L24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT4D4L24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4D4L24>

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:RT4D4L24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:RT4D4L24&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4D4L24/manual>



