

Plug-in relay complete unit 1 W, 24 V AC 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               |
| Percental drop-out voltage related to the input voltage | 15 %              |
| Protection class IP                                     | IP20              |
| Switching behavior                                      | monostable        |
| Design of the switching function                        | changeover switch |
| Design of the switching function positively driven      | No                |
| Mechanical service life (switching cycles)              |                   |
| • typical   | 10 000 000        |
| Electrical endurance (switching cycles)                 |                   |
| • at AC-15 at 230 V typical                             | 600 000           |
| Thermal current   | 16 A              |
| Reference code acc. to DIN EN 81346-2                   | K                 |

| Control circuit/ Control     |  |
|------------------------------|--|
| Control supply voltage at AC |  |

|   |                                    |
|---|------------------------------------|
| <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>  | <p>24 V</p> <p>24 V</p>            |
| <b>Control supply voltage frequency</b> <ul style="list-style-type: none"> <li>• 1 rated value</li> <li>• 2 rated value</li> </ul>  | <p>50 Hz</p> <p>60 Hz</p>          |
| <b>Supply voltage frequency for auxiliary and control current circuit rated value</b>   | <p>50 ... 60 Hz</p>                |
| <b>Operating range factor control supply voltage rated value at AC at 50 Hz</b> <ul style="list-style-type: none"> <li>• initial value</li> <li>• Full-scale value</li> </ul> | <p>0.9</p> <p>1.1</p>              |
| <b>Operating range factor control supply voltage rated value at AC at 60 Hz</b> <ul style="list-style-type: none"> <li>• initial value</li> <li>• Full-scale value</li> </ul> | <p>0.9</p> <p>1.1</p>              |
| <b>Design of the relay operating mechanism</b>  | <p>poled</p>                       |
| <b>Product component Plug-in socket</b>   | <p>Yes</p>                         |
| <b>Design of the snap-on socket base</b>  | <p>Socket with logic isolation</p> |

#### Short-circuit protection

|  |                      |
|--|----------------------|
| <b>Design of the fuse link</b> <ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul> | <p>fuse gG: 10 A</p> |
|--|----------------------|

#### Auxiliary circuit

|   |                           |
|---|---------------------------|
| <b>Type of switching contact</b>  | <p>Changeover contact</p> |
| <b>Material of switching contacts</b>   | <p>AgNi 90/10</p>         |
| <b>Number of NC contacts for auxiliary contacts</b>   | <p>0</p>                  |
| <b>Number of NO contacts for auxiliary contacts</b>   | <p>0</p>                  |
| <b>Number of CO contacts</b> <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul> | <p>1</p>                  |

#### Main circuit

|                        |           |
|------------------------|-----------|
| <b>Type of voltage</b> | <p>AC</p> |
|------------------------|-----------|

#### Display

|   |                |
|---|----------------|
| <b>Display version</b> <ul style="list-style-type: none"> <li>• as status display by LED</li> </ul> | <p>LED red</p> |
|---|----------------|




#### Connections/ Terminals

|   |   |
|---|---|
| <b>Product function</b> <ul style="list-style-type: none"> <li>• removable terminal</li> </ul>  | <p>No</p>   |
| <b>Type of electrical connection</b>  | <p>spring-loaded terminals</p>  |
| <b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> </ul> | <p>1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5</p> <p>1x (0,75 ... 1,5), 2x 0,75</p> |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> <li>• at AWG conductors solid</li> <li>• at AWG conductors stranded</li> </ul>  | <p>1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5</p> <p>1x (18 ... 16), 2x (18 ... 16)</p> <p>1x (18 ... 16), 2x (18 ... 16)</p> |
| <b>Connectable conductor cross-section</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul> | <p>0.75 ... 1.5 mm<sup>2</sup></p> <p>0.75 ... 1.5 mm<sup>2</sup></p> <p>0.75 ... 1.5 mm<sup>2</sup></p>                        |
| <b>AWG number as coded connectable conductor cross section</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• stranded</li> </ul>  | <p>18 ... 16</p> <p>18 ... 16</p>   |

| Installation/ mounting/ dimensions   |   |
|--|---|
| <b>Mounting position</b>   | any   |
| <b>Mounting type</b>   | snap-on mounting  |
| <b>Height</b>  | 71 mm   |
| <b>Width</b>   | 15.5 mm   |
| <b>Depth</b>   | 98 mm   |
| <b>Required spacing</b> <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards</li> <li>— Backwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— Backwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— Backwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> </ul> | <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> |

Certificates/ approvals

| General Product Approval   | Declaration of Conformity   | other  |
|--|---|--|
|  <p>VDE</p> |   <p>EG-Konf.</p> | <p><a href="#">Miscellaneous</a></p> <p><a href="#">Confirmation</a></p> |

#### 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?mfb=LZS:RT3D4R24>

**Cax online generator**

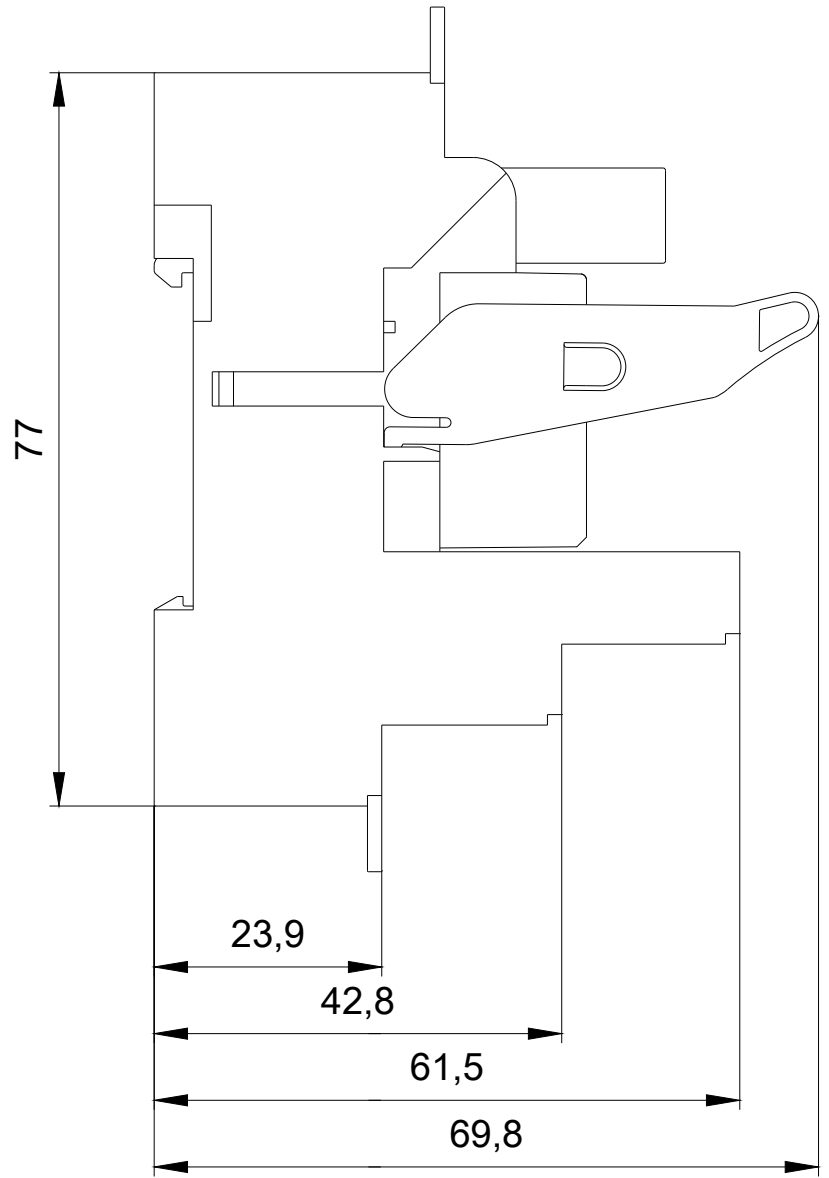
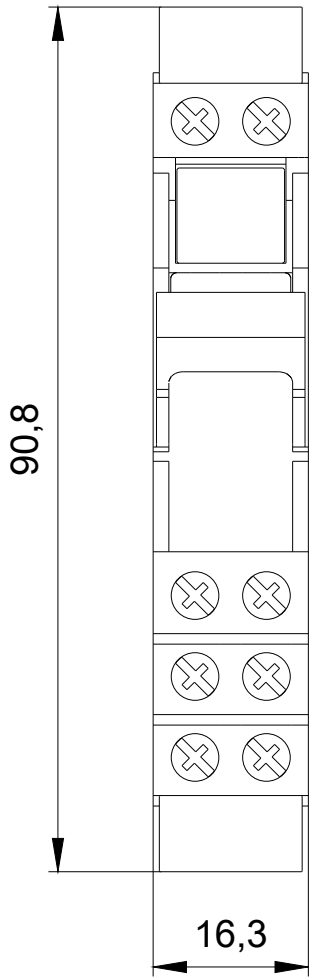
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=LZS:RT3D4R24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3D4R24>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=LZS:RT3D4R24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=LZS:RT3D4R24&lang=en)



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