



Plug-in relay complete unit 4 W, 24 V DC LED module red Socket with logic isolation screw terminal 3.5 mm pinning

|   |                                   |
|---|-----------------------------------|
| 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                               |
| consumed active power   | 0.75 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 (operating cycles) typical                                    | 30 000 000                        |
| electrical endurance (operating cycles) at AC-15 at 230 V typical                     | 250 000                           |
| thermal current   | 6 A                               |
| reference code according to IEC 81346-2   | K                                 |
| Substance Prohibitance (Date)   | 05/01/2012                        |
| <b>Control circuit/ Control</b>   |                                   |
| control supply voltage at DC  | 24 V                              |
| • rated value   |                                   |
| operating range factor control supply voltage rated value at DC                       | 0.9                               |
| • initial value   |                                   |
| • full-scale value  | 1.4                               |
| closing delay   | 15 ms                             |
| • at DC   |                                   |
| opening delay   | 18 ms                             |
| • at DC   |                                   |
| design of the relay operating mechanism   | poled                             |
| product component plug-in socket  | Yes                               |
| design of the snap-on socket base   | Socket with logic isolation       |
| <b>Short-circuit protection</b>   |                                   |
| design of the fuse link for short-circuit protection of the auxiliary switch required | fuse gG: 6 A                      |
| <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  | 4                                 |

|   |     |
|---|-----|
| <b>operational current of auxiliary contacts at AC-15</b> |     |
| • at 250 V  | 4 A |
| operational current at DC-13 at 24 V rated value          | 4 A |
| <b>operational current of auxiliary contacts at DC-13</b> |     |
| • at 24 V   | 4 A |

#### Main circuit

|  |     |
|--|-----|
| <b>type of voltage</b>                       | DC  |
| <b>ampacity of the output relay at DC-13</b> |     |
| • at 24 V                                    | 4 A |

#### Display

|  |         |
|--|---------|
| display version as status display by LED | LED red |
|--|---------|

#### Connections/ Terminals

|  |  |
|--|--|
| <b>product function removable terminal</b>                     | No                                       |
| <b>type of electrical connection</b>                           | screw-type terminals                     |
| <b>type of connectable conductor cross-sections</b>            |  |
| • 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         |
| • at AWG cables solid  | 1x (18 ... 14), 2x 18, 2x 16, 2x 14      |
| <b>connectable conductor cross-section</b>                     |  |
| • solid  | 1 ... 2.5 mm <sup>2</sup>                |
| • finely stranded with core end processing                     | 1 ... 1.5 mm <sup>2</sup>                |
| <b>AWG number as coded connectable conductor cross section</b> |  |
| • solid  | 18 ... 14                                |
| tightening torque with screw-type terminals                    | 0.5 ... 0.7 N·m                          |

#### Installation/ mounting/ dimensions

|                          |                  |
|--------------------------|------------------|
| <b>mounting position</b> | any              |
| <b>fastening method</b>  | snap-on mounting |
| <b>height</b>            | 77 mm            |
| <b>width</b>             | 27 mm            |
| <b>depth</b>             | 79 mm            |

#### Ambient conditions

|                            |                |
|----------------------------|----------------|
| <b>ambient temperature</b> |                |
| • during operation         | -40 ... +70 °C |
| • during storage           | -25 ... +70 °C |
| • during transport         | -25 ... +70 °C |

#### Certificates/ approvals

|                                 |                                  |              |
|---------------------------------|----------------------------------|--------------|
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> | <b>other</b> |
|---------------------------------|----------------------------------|--------------|

[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:PT5B5L24>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5B5L24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5B5L24>

**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:PT5B5L24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:PT5B5L24&lang=en)

**Characteristic: Derating**

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5B5L24/manual>



