SIEMENS

## Data sheet LZS:PT5D5L24

Plug-in relay complete unit 4 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** | 0.75 W |
| **Percental drop-out voltage related to the input voltage** | 10 % |
| **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 | 30 000 000 |
| **Electrical endurance (switching cycles)** | |
| • at AC-15 at 230 V typical | 250 000 |
| **Thermal current** | 6 A |
| **Reference code acc. to DIN EN 81346-2** | K |

| Control circuit/ Control |
|---|

| | |
|---|---|
| **Control supply voltage at DC** | |
| • rated value | 24 V |
| **Operating range factor control supply voltage rated value at DC** | |
| • initial value | 0.9 |
| • Full-scale value | 1.4 |
| **Closing delay** | |
| • at DC | 15 ms |
| **Opening delay** | |
| • at DC | 18 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: 6 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 | 4 |
| **Operating current of auxiliary contacts at AC-15** | |
| • at 250 V | 4 A |
| **Operating current at DC-13** | |
| • at 24 V rated value | 4 A |
| **Operating current of auxiliary contacts at DC-13** | |
| • at 24 V | 4 A |

## Main circuit

| | |
|---|---|
| **Type of voltage** | DC |

## Outputs

| | |
|---|---|
| **Ampacity of the output relay at DC-13** | |
| • at 24 V | 4 A |

## 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 conductors solid | 1x (18 ... 16), 2x (18 ... 16) |
| • at AWG conductors stranded | 1x (18 ... 16), 2x (18 ... 16) |
| **Connectable conductor cross-section** | |
| • solid | 0.75 ... 1.5 mm² |
| • finely stranded with core end processing | 0.75 ... 1.5 mm² |
| • finely stranded without core end processing | 0.75 ... 1.5 mm² |
| **AWG number as coded connectable conductor cross section** | |
| • solid | 18 ... 16 |
| • stranded | 18 ... 16 |

## Installation/ mounting/ dimensions

| | |
|---|---|
| **Mounting position** | any |
| **Mounting type** | snap-on mounting |
| **Height** | 79 mm |
| **Width** | 28 mm |
| **Depth** | 98 mm |

## Certificates/ approvals

| General Product Approval | Declaration of Conformity | other | |
|---|---|---|---|
| VDE EAC EG-Konf. | Miscellaneous | Confirmation | |

## Further information

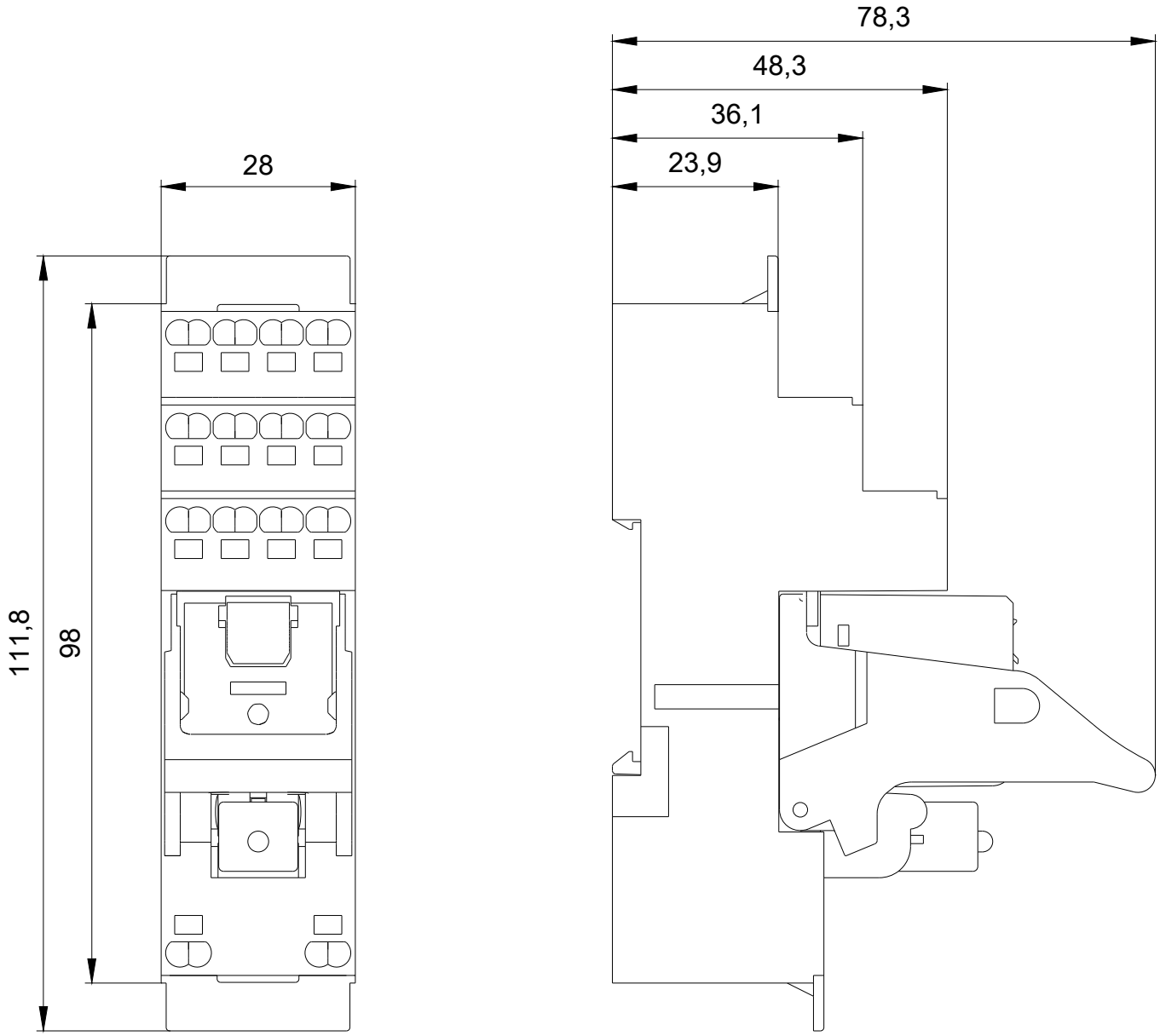
**Information- and Downloadcenter (Catalogs, Brochures,…)**
https://www.siemens.com/ic10

**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5D5L24

**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5D5L24

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24

**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:PT5D5L24&lang=en

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