# SIEMENS

**Data sheet**          **LZS:PT5B5T30**

plug-in relay complete unit, 4 changeover contacts, 230 V AC, LED module red, base with logical isolation, screw terminal, 3.5 mm pinning

| | |
|---|---|
| **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** | 30 % |
| **operating frequency without load** | 36 000 1/h |
| **operating frequency with load** | 360 1/h |
| **switching behavior** | monostable |
| **mechanical service life (operating cycles) typical** | 20 000 000 |
| **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 |
| **Weight** | 109 g |
| **Control circuit/ Control** | |
| **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 |
| **Switching Function** | |
| **design of the switching function** | changeover switch |
| **Mechanical data** | |
| **product component plug-in socket** | Yes |
| **design of the snap-on socket base** | Socket with logic isolation |
| **design of the relay operating mechanism** | poled |
| **Short-circuit protection** | |
| design of the fuse link for short-circuit protection of the auxiliary | fuse gG: 6 A |

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| switch required | |
|---|---|
| **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 |
| **operational current of auxiliary contacts at AC-15** | |
| ● at 250 V | 2 A |
| operational current at DC-13 at 24 V rated value | 4 A |
| **operational current of auxiliary contacts at DC-13** | |
| ● at 24 V | 4 A |
| **Main circuit** | |
| **type of voltage** | AC |
| **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** | 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 mm² |
| ● finely stranded with core end processing | 1 ... 1.5 mm² |
| **AWG number as coded connectable conductor cross section** | |
| ● solid | 18 ... 14 |
| tightening torque with screw-type terminals | 0.5 ... 0.7 N·m |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | any |
| **fastening method** | snap-on mounting |
| **height** | 77 mm |
| **width** | 27 mm |
| **depth** | 79 mm |
| **Ambient conditions** | |
| **ambient temperature** | |
| ● during operation | -40 ... +70 °C |
| ● during storage | -25 ... +70 °C |
| ● during transport | -25 ... +70 °C |
| **Approvals Certificates** | |

| General Product Approval | other | Environment |
|---|---|---|
| UKCA  CE EG-Konf.  VDE  EAC | [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)**
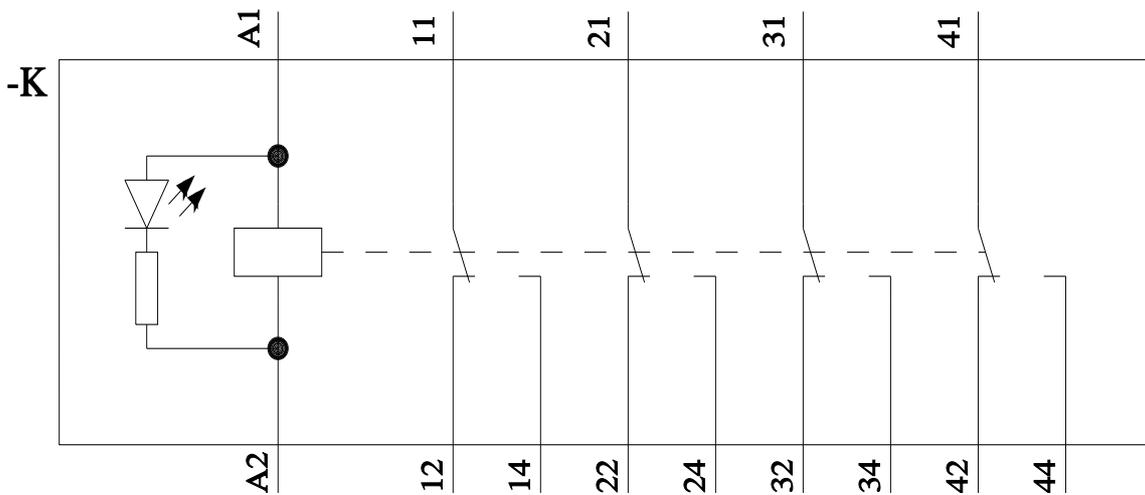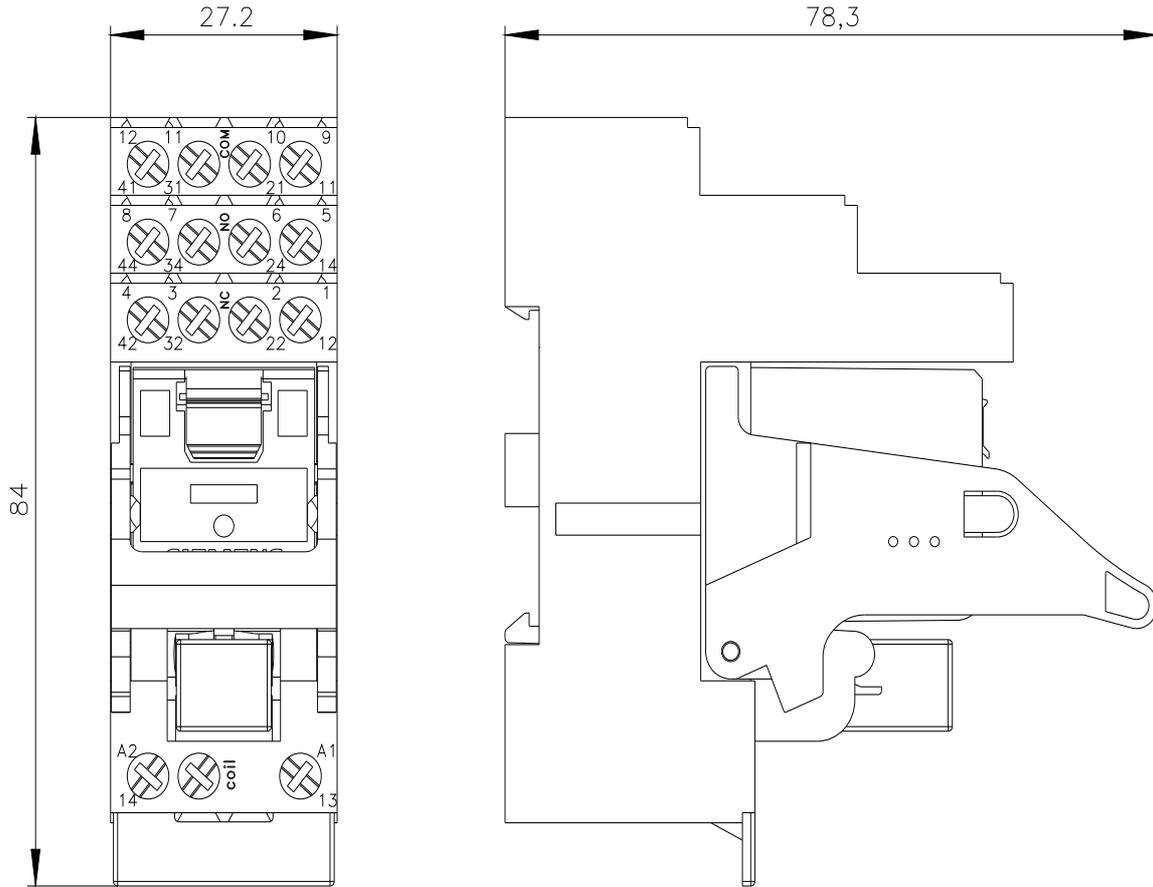https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5B5T30

**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5B5T30

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5B5T30

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

27.2  78,3

84

COM
NO
NC

coil  A1  A2  13  14

-K

A1  11  21  31  41

A2  12  14  22  24  32  34  42  44

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