



plug-in relay complete unit, 4 changeover contacts, 115 V AC, LED module red, base with logical isolation, spring-loaded terminal (push-in)

|                                                                                       |                                   |
|---------------------------------------------------------------------------------------|-----------------------------------|
| 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                               |
| 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                                 |
| Weight                                                                                | 0.109 kg                          |
| <b>Control circuit/ Control</b>                                                       |                                   |
| control supply voltage at AC                                                          |                                   |
| • at 50 Hz rated value                                                                | 115 V                             |
| • at 60 Hz rated value                                                                | 115 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                               |
| <b>Switching Function</b>                                                             |                                   |
| design of the switching function                                                      | changeover switch                 |
| <b>Mechanical data</b>                                                                |                                   |
| product component plug-in socket                                                      | Yes                               |
| design of the snap-on socket base                                                     | Socket with logic isolation       |
| design of the relay operating mechanism                                               | poled                             |
| <b>Short-circuit protection</b>                                                       |                                   |
| 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                                                                                                                                                                                              |             |
| operational current of auxiliary contacts at AC-15 <ul style="list-style-type: none"><li>at 250 V</li></ul>                                                                                                                                                          | 2 A                                                                                                                                                                                            |             |
| operational current at DC-13 at 24 V rated value                                                                                                                                                                                                                     | 4 A                                                                                                                                                                                            |             |
| operational current of auxiliary contacts at DC-13 <ul style="list-style-type: none"><li>at 24 V</li></ul>                                                                                                                                                           | 4 A                                                                                                                                                                                            |             |
| Main circuit                                                                                                                                                                                                                                                         |                                                                                                                                                                                                |             |
| type of voltage                                                                                                                                                                                                                                                      | AC                                                                                                                                                                                             |             |
| ampacity of the output relay at DC-13 <ul style="list-style-type: none"><li>at 24 V</li></ul>                                                                                                                                                                        | 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 <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><li>for AWG cables solid</li><li>for AWG cables stranded</li></ul> | 1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5<br>1x (0,75 ... 1,5), 2x 0,75<br>1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5<br>1x (18 ... 16), 2x (18 ... 16)<br>1x (18 ... 16), 2x (18 ... 16) |             |
| connectable conductor cross-section <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>                                                                       | 0.75 ... 1.5 mm²<br>0.75 ... 1.5 mm²<br>0.75 ... 1.5 mm²                                                                                                                                       |             |
| AWG number as coded connectable conductor cross section <ul style="list-style-type: none"><li>solid</li><li>stranded</li></ul>                                                                                                                                       | 18 ... 16<br>18 ... 16                                                                                                                                                                         |             |
| Installation/ mounting/ dimensions                                                                                                                                                                                                                                   |                                                                                                                                                                                                |             |
| mounting position                                                                                                                                                                                                                                                    | any                                                                                                                                                                                            |             |
| fastening method                                                                                                                                                                                                                                                     | snap-on mounting                                                                                                                                                                               |             |
| height                                                                                                                                                                                                                                                               | 98 mm                                                                                                                                                                                          |             |
| width                                                                                                                                                                                                                                                                | 28 mm                                                                                                                                                                                          |             |
| depth                                                                                                                                                                                                                                                                | 79 mm                                                                                                                                                                                          |             |
| Ambient conditions                                                                                                                                                                                                                                                   |                                                                                                                                                                                                |             |
| ambient temperature <ul style="list-style-type: none"><li>during operation</li><li>during storage</li><li>during transport</li></ul>                                                                                                                                 | -40 ... +70 °C<br>-25 ... +70 °C<br>-25 ... +70 °C                                                                                                                                             |             |
| Approvals Certificates                                                                                                                                                                                                                                               |                                                                                                                                                                                                |             |
| General Product Approval                                                                                                                                                                                                                                             | other                                                                                                                                                                                          | Environment |



[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

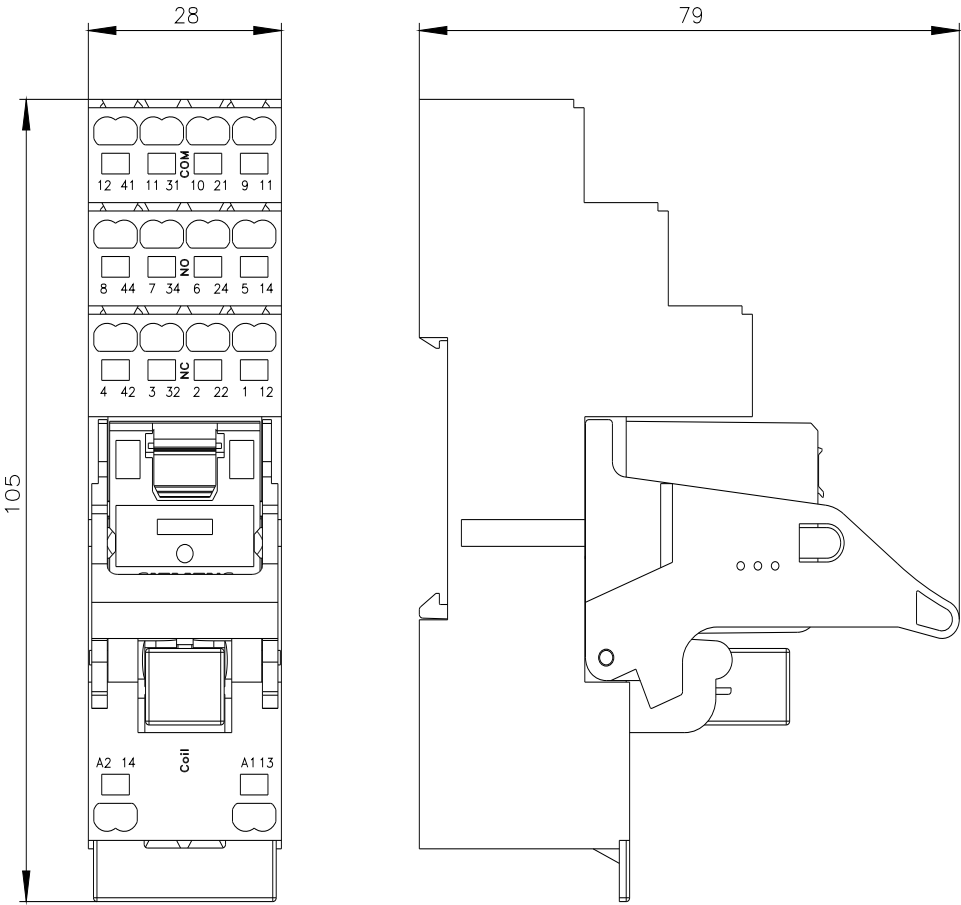
<https://www.siemens.com/ic10>

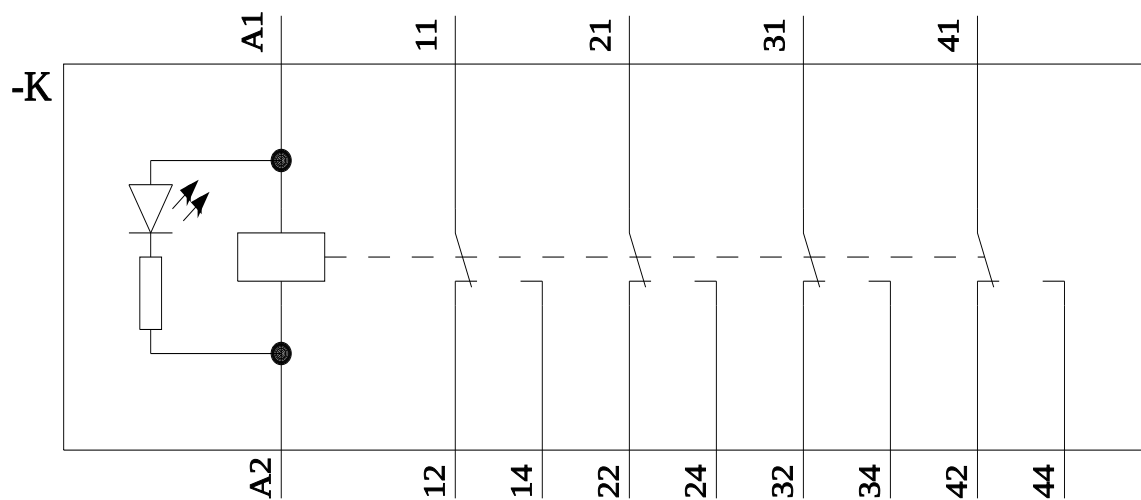
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5D5S15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5D5S15>





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