



Plug-in relay complete unit 4 W, 24 V AC LED module red Standard plug-in socket 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 % |
| 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 | 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 |
| Control circuit/ Control | |
| control supply voltage at AC | |
| • at 50 Hz rated value | 24 V |
| • at 60 Hz rated value | 24 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 |
| design of the relay operating mechanism | poled |
| product component plug-in socket | Yes |
| design of the snap-on socket base | Standard socket |
| 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 | |
| operational current of auxiliary contacts at AC-15 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• at 24 V | 4 A | |
| Main circuit | | |
| type of voltage | AC | |
| ampacity of the output relay at DC-13 <ul style="list-style-type: none">• 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-type terminals | |
| type of connectable conductor cross-sections <ul style="list-style-type: none">• solid• finely stranded with core end processing• at AWG cables solid | 1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5 1x (1.0 ... 1.5), 2x 1.0, 2x 1.5 1x (18 ... 14), 2x 18, 2x 16, 2x 14 | |
| connectable conductor cross-section <ul style="list-style-type: none">• solid• finely stranded with core end processing | 1 ... 2.5 mm² 1 ... 1.5 mm² | |
| AWG number as coded connectable conductor cross section <ul style="list-style-type: none">• 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 | 74 mm | |
| width | 27 mm | |
| depth | 72 mm | |
| Ambient conditions | | |
| ambient temperature <ul style="list-style-type: none">• during operation• during storage• during transport | -40 ... +70 °C -25 ... +70 °C -25 ... +70 °C | |
| Certificates/ approvals | | |
| General Product Approval | Declaration of Conformity | other |

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[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:PT5A5R24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5A5R24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5A5R24>

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:PT5A5R24&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5A5R24/manual>



