

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
Switching behavior	monostable
Design of the switching function	changeover switch
Design of the switching function positively driven	No
Mechanical service life (switching cycles)	
• typical	20 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	250 000
Thermal current	6 A
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Reference code acc. to DIN EN 81346-2	K

Reference code acc. to DIN EN 61346-2	K
<b>Control circuit/ Control</b>	
<b>Control supply voltage at AC</b>	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
<b>Control supply voltage frequency</b>	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
<b>Supply voltage frequency for auxiliary and control current circuit rated value</b>	50 ... 60 Hz
<b>Operating range factor control supply voltage rated value at AC at 50 Hz</b>	
• initial value	0.9
• Full-scale value	1.1
<b>Operating range factor control supply voltage rated value at AC at 60 Hz</b>	
• initial value	0.9
• Full-scale value	1.1
<b>Design of the relay operating mechanism</b>	poled
<b>Product component Plug-in socket</b>	Yes
<b>Design of the snap-on socket base</b>	Standard socket
<b>Short-circuit protection</b>	
<b>Design of the fuse link</b>	
• for short-circuit protection of the auxiliary switch required	fuse gG: 6 A
<b>Auxiliary circuit</b>	
<b>Type of switching contact</b>	Changeover contact
<b>Material of switching contacts</b>	AgNi 90/10
<b>Number of NC contacts for auxiliary contacts</b>	0
<b>Number of NO contacts for auxiliary contacts</b>	0
<b>Number of CO contacts</b>	
• for auxiliary contacts	4
<b>Operating current of auxiliary contacts at AC-15</b>	
• at 250 V	2 A
<b>Operating current at DC-13</b>	
• at 24 V rated value	4 A
<b>Operating current of auxiliary contacts at DC-13</b>	
• at 24 V	4 A
<b>Main circuit</b>	
<b>Type of voltage</b>	AC
<b>Outputs</b>	

<b>Ampacity of the output relay at DC-13</b>	
<ul style="list-style-type: none"> <li>at 24 V</li> </ul>	4 A

### Display

<b>Display version</b>	
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>	LED red

### Connections/ Terminals

<b>Product function</b>	
<ul style="list-style-type: none"> <li>removable terminal</li> </ul>	No
<b>Type of electrical connection</b>	screw-type terminals
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5
<ul style="list-style-type: none"> <li>at AWG conductors solid</li> </ul>	1x (18 ... 14), 2x 18, 2x 16, 2x 14
<b>Connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	1 ... 1.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	
<ul style="list-style-type: none"> <li>solid</li> </ul>	18 ... 14
<b>Tightening torque</b>	
<ul style="list-style-type: none"> <li>with screw-type terminals</li> </ul>	0.5 ... 0.7 N·m

### Installation/ mounting/ dimensions

<b>Mounting position</b>	any
<b>Mounting type</b>	snap-on mounting
<b>Height</b>	72 mm
<b>Width</b>	28 mm
<b>Depth</b>	74 mm

### Certificates/ approvals

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>
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VDE



EG-Konf.

[Miscellaneous](#)

[Confirmation](#)

### Further information

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

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

**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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:PT5A5R24&lang=en)

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