

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 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 DC</b>	
• rated value	24 V
<b>Operating range factor control supply voltage rated value at DC</b>	
• initial value	0.9
• Full-scale value	1.4
<b>Closing delay</b>	
• at DC	15 ms
<b>Opening delay</b>	
• at DC	18 ms
<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>	Socket with logic isolation
<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	4 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>	DC
<b>Outputs</b>	
<b>Ampacity of the output relay at DC-13</b>	
• at 24 V	4 A
<b>Display</b>	
<b>Display version</b>	

- as status display by LED

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>	spring-loaded terminals
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	1x (0,75 ... 1,5), 2x 0,75
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5
<ul style="list-style-type: none"> <li>• at AWG conductors solid</li> </ul>	1x (18 ... 16), 2x (18 ... 16)
<ul style="list-style-type: none"> <li>• at AWG conductors stranded</li> </ul>	1x (18 ... 16), 2x (18 ... 16)
<b>Connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	0.75 ... 1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	0.75 ... 1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	0.75 ... 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 ... 16
<ul style="list-style-type: none"> <li>• stranded</li> </ul>	18 ... 16

## Installation/ mounting/ dimensions

<b>Mounting position</b>	any
<b>Mounting type</b>	snap-on mounting
<b>Height</b>	79 mm
<b>Width</b>	28 mm
<b>Depth</b>	98 mm

## Certificates/ approvals

General Product Approval

Declaration of Conformity

other



[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?mfb=LZS:PT5D5L24>

**Cax online generator**

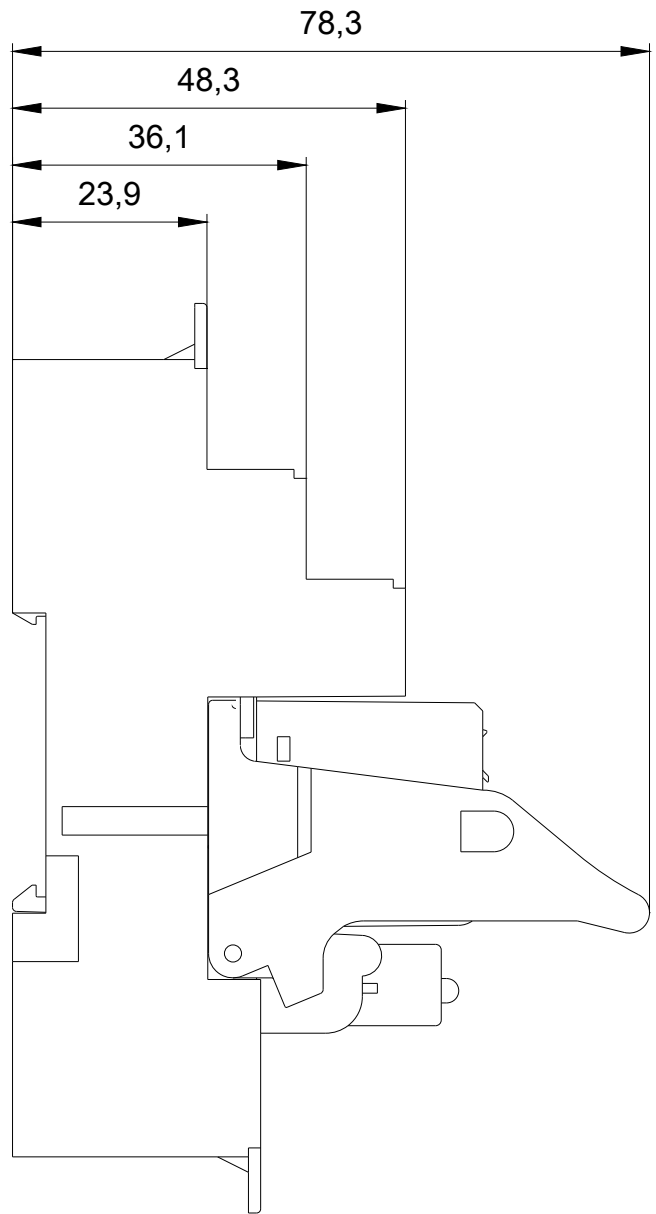
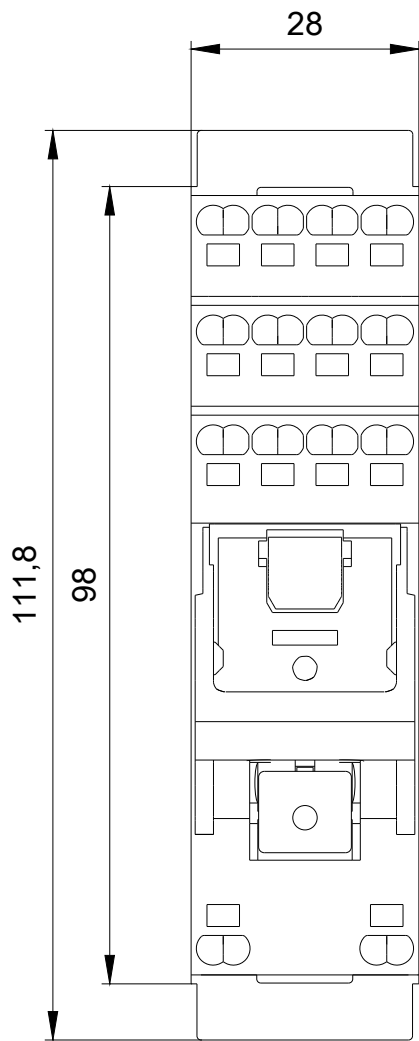
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=LZS:PT5D5L24>

**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?mfb=LZS:PT5D5L24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=LZS:PT5D5L24&lang=en)



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W9.4444;  
W9.3333; LZS:PT2D5L24\_