

Plug-in relay complete unit 4 W, 230 V AC 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
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	230 V
• at 60 Hz rated value	230 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>	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	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> • at 24 V	4 A
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### Display

<b>Display version</b> • as status display by LED	LED red
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### Connections/ Terminals

<b>Product function</b> • removable terminal	No
<b>Type of electrical connection</b>	spring-loaded terminals
<b>Type of connectable conductor cross-sections</b> • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors solid • at AWG conductors stranded	1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5 1x (0,75 ... 1,5), 2x 0,75 1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5 1x (18 ... 16), 2x (18 ... 16) 1x (18 ... 16), 2x (18 ... 16)
<b>Connectable conductor cross-section</b> • solid • finely stranded with core end processing • finely stranded without core end processing	0.75 ... 1.5 mm <sup>2</sup> 0.75 ... 1.5 mm <sup>2</sup> 0.75 ... 1.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b> • solid • stranded	18 ... 16 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
		
VDE	EG-Konf.	<a href="#">Miscellaneous</a> <a href="#">Confirmation</a>

### 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:PT5D5T30>

**Cax online generator**

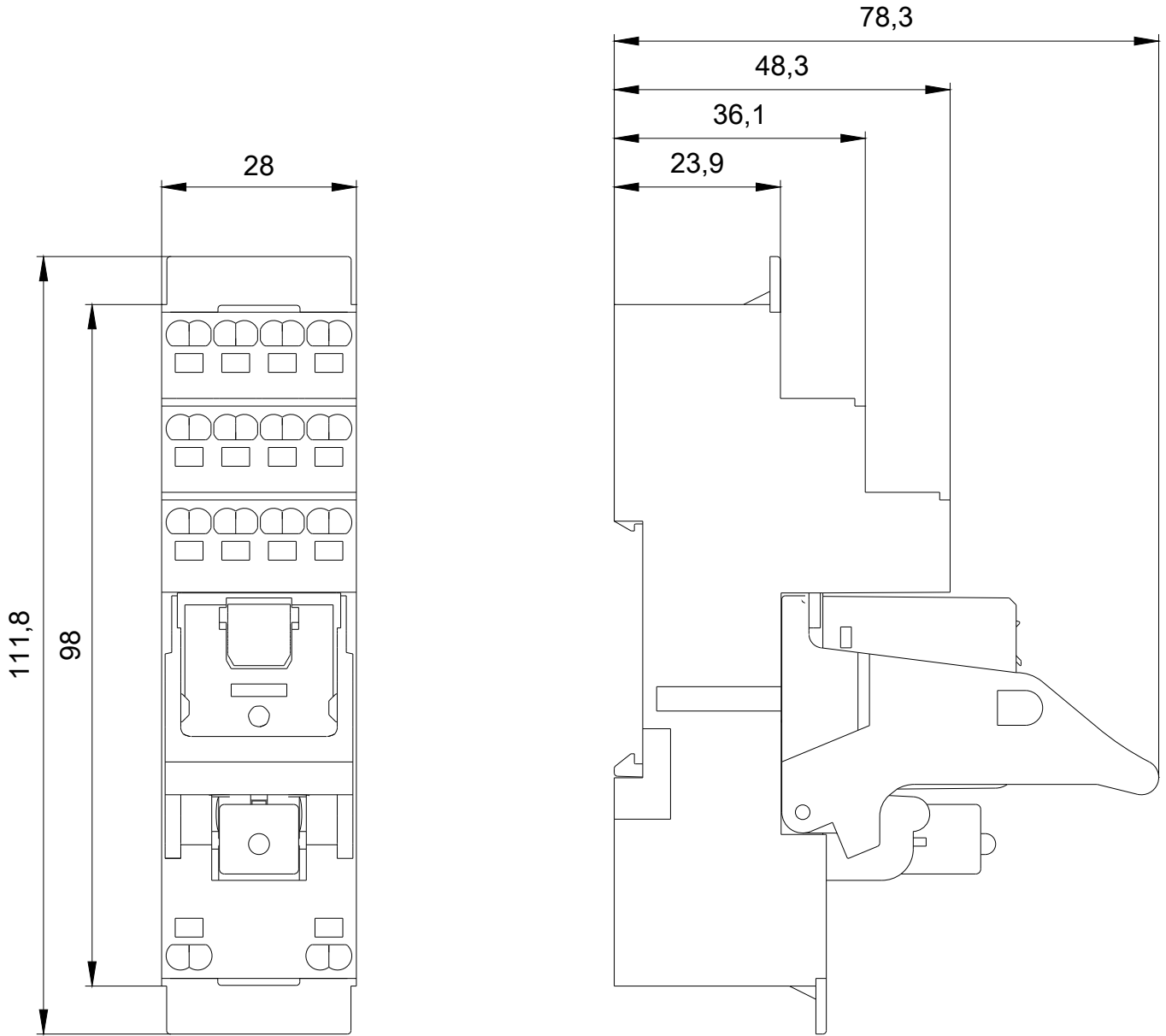
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=LZS:PT5D5T30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5T30>

**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:PT5D5T30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=LZS:PT5D5T30&lang=en)



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