



plug-in relay complete unit, 4 changeover contacts, 24 V DC, 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
consumed active power	0.75 W
percental drop-out voltage related to the input voltage	10 %
protection class IP	IP20
operating frequency without load	36 000 1/h
operating frequency with load	360 1/h
switching behavior	monostable
mechanical service life (operating cycles) typical	30 000 000
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
Weight	0.109 kg
<b>Control circuit/ Control</b>	
control supply voltage at DC rated value	24 V
operating range factor control supply voltage rated value at DC	
• initial value	0.9
• full-scale value	1.4
closing delay	
• at DC maximum	15 ms
opening delay	
• at DC maximum	18 ms
<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
<b>Auxiliary circuit</b>	
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
<b>operational current of auxiliary contacts at AC-15</b>	
• at 250 V	4 A
operational current at DC-13 at 24 V rated value	4 A
<b>operational current of auxiliary contacts at DC-13</b>	
• at 24 V	4 A
<b>Main circuit</b>	
<b>type of voltage</b>	DC
<b>ampacity of the output relay at DC-13</b>	
• at 24 V	4 A
<b>Display</b>	
display version as status display by LED	LED red
<b>Connections/ Terminals</b>	
<b>product function removable terminal</b>	No
<b>type of electrical connection</b>	spring-loaded terminals
<b>type of connectable conductor cross-sections</b>	
• solid	1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5
• finely stranded with core end processing	1x (0,75 ... 1,5), 2x 0,75
• finely stranded without core end processing	1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5
• for AWG cables solid	1x (18 ... 16), 2x (18 ... 16)
• for AWG cables stranded	1x (18 ... 16), 2x (18 ... 16)
<b>connectable conductor cross-section</b>	
• solid	0.75 ... 1.5 mm <sup>2</sup>
• finely stranded with core end processing	0.75 ... 1.5 mm <sup>2</sup>
• finely stranded without core end processing	0.75 ... 1.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	
• solid	18 ... 16
• stranded	18 ... 16
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	snap-on mounting
<b>height</b>	98 mm
<b>width</b>	28 mm
<b>depth</b>	79 mm
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-40 ... +70 °C
• during storage	-25 ... +70 °C
• during transport	-25 ... +70 °C
<b>Approvals Certificates</b>	
General Product Approval	other



[Confirmation](#)



[Confirmation](#)

#### Environment

[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:PT5D5L24>

Cax online generator

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

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

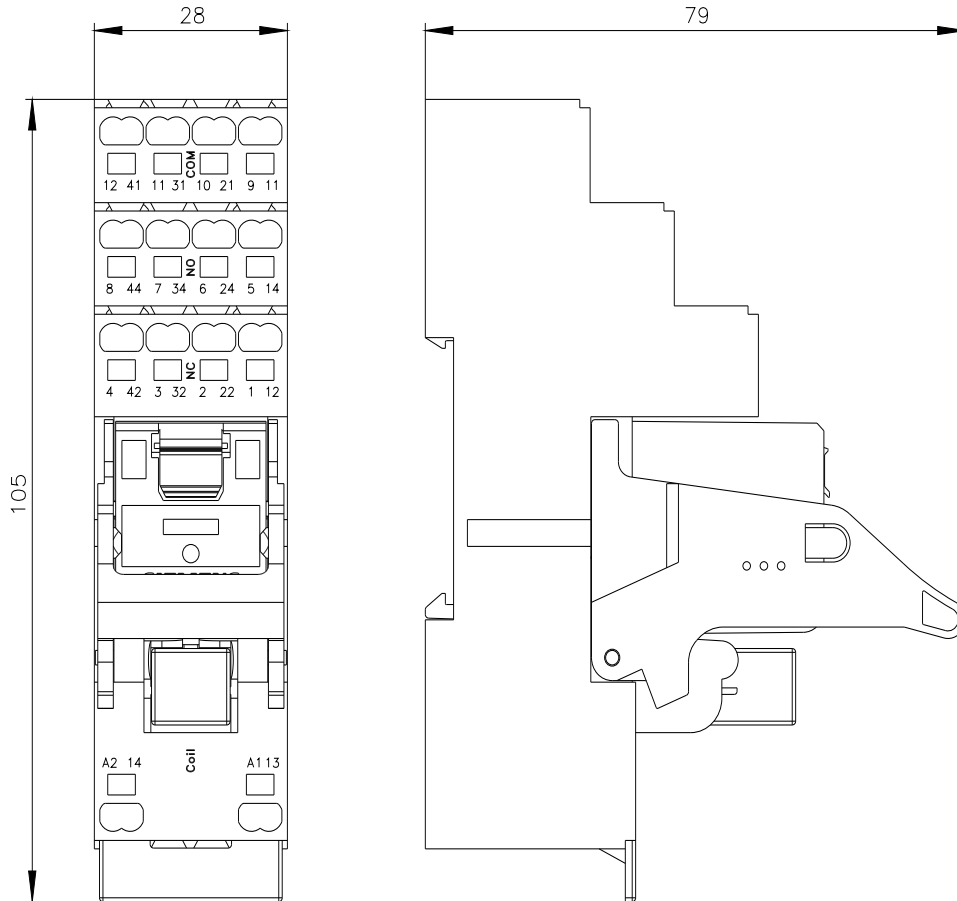
<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24>

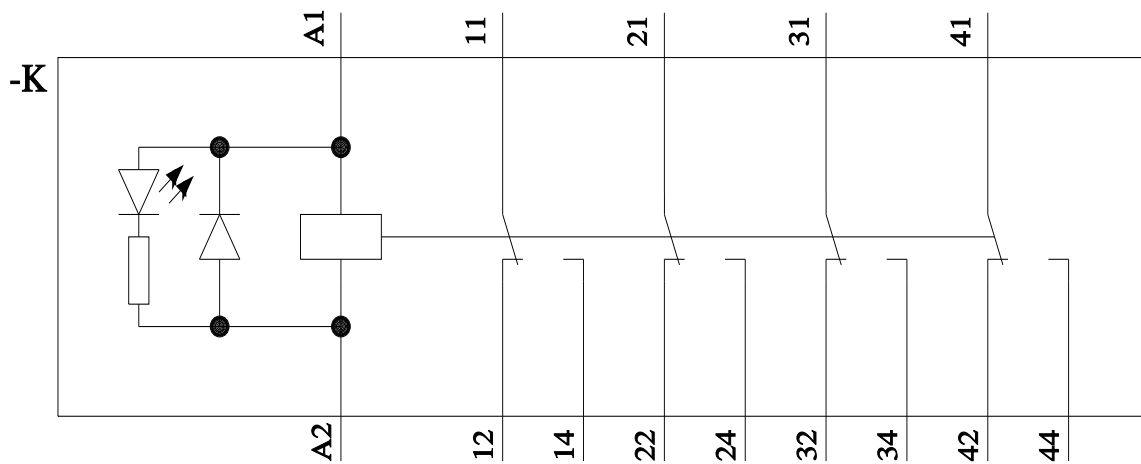
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=LZS:PT5D5L24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:PT5D5L24&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24/manual>





last modified:

10/13/2021 