SIEMENS

Data sheet   **LZS:RT4D4R24**

Plug-in relay complete unit 2 W, 24 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	15 %
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 (switching cycles) typical	5 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	80 000
thermal current	8 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	Socket with logic isolation
Short-circuit protection	
design of the fuse link for short-circuit protection of the	fuse gG: 10 A

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auxiliary switch required	
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	2
Main circuit	
type of voltage	AC
Display	
display version as status display by LED	LED red
Connections/ Terminals	
product function removable terminal	No
type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	
● 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
● at AWG cables solid	1x (18 ... 16), 2x (18 ... 16)
● at AWG cables stranded	1x (18 ... 16), 2x (18 ... 16)
connectable conductor cross-section	
● solid	0.75 ... 1.5 mm²
● finely stranded with core end processing	0.75 ... 1.5 mm²
● finely stranded without core end processing	0.75 ... 1.5 mm²
AWG number as coded connectable conductor cross section	
● solid	18 ... 16
● stranded	18 ... 16
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height	98 mm
width	15.5 mm
depth	71 mm
required spacing	
● with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
● for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
● for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-20 ... +70 °C
● during transport	-20 ... +70 °C
Certificates/ approvals	

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General Product Approval	Declaration of Conformity	other
Confirmation		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:RT4D4R24

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT4D4R24

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
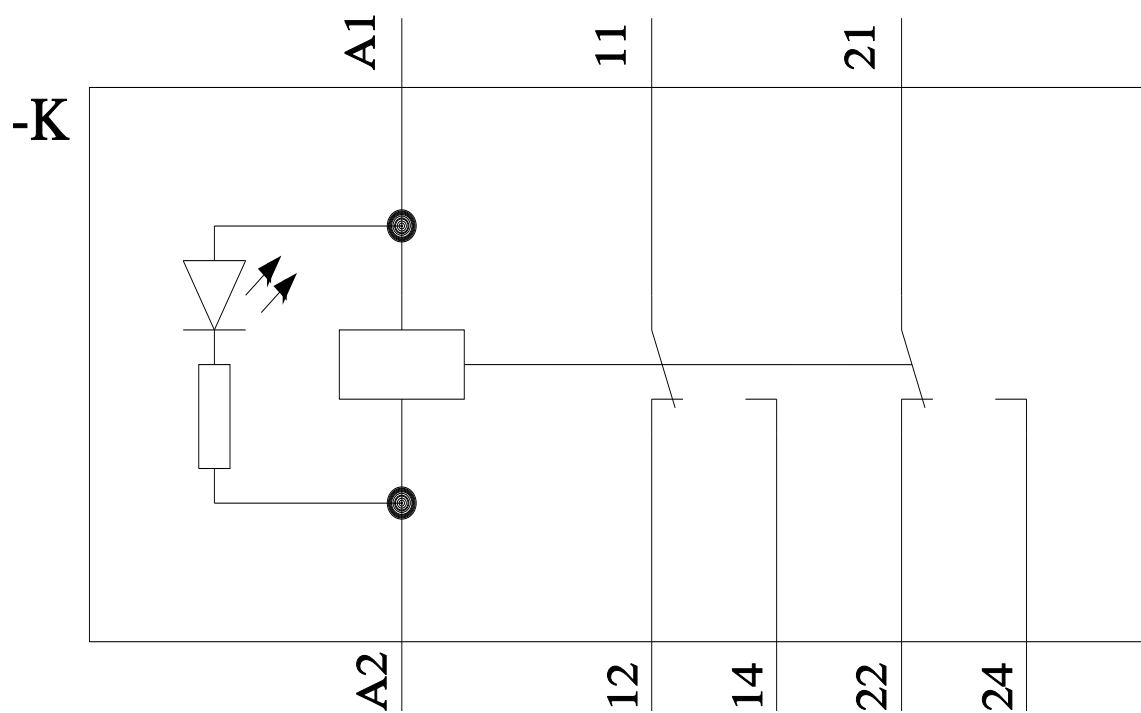https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4D4R24

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:RT4D4R24&lang=en

Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4D4R24/manual

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