SIEMENS

Data sheet LZS:RT3A4L24

Plug-in relay complete unit 1 W, 24 V DC LED module red Standard plug-in socket screw terminal



Product brand name	SIRIUS
Product designation	Coupling relay with plug-in relay
Product type designation	LZS

General technical data	
Display version LED	Yes
Power loss [W] total typical	1 W
Consumed active power	0.4 W
Percental drop-out voltage related to the input voltage	10 %
Protection class IP	IP20
Operating frequency maximum	72 000 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	30 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	1 000 000
Thermal current	16 A

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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

Control circuit/ Control

Control supply voltage at DC	
• rated value	24 V
Closing delay	
• at DC	8 ms
Opening delay	
• at DC	6 ms
Design of the relay operating mechanism	poled
Product component Plug-in socket	Yes
Design of the snap-on socket base	Standard socket

Short-circuit protection

Design of the fuse link	
• for short-circuit protection of the auxiliary switch required	fuse gG: 10 A

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	1
Operating current of auxiliary contacts at AC-15	
• at 250 V	6 A

Main circuit

Type of voltage	DC

Outputs

Ampacity of the output relay at AC-15	
• at 250 V at 50/60 Hz	6 A

Display

Display version	
• as status display by LED	LED red

Connections/Terminals

Product function	
• removable terminal	No
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	

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• solid	2x 2,5
• finely stranded with core end processing	2x 2,5
Connectable conductor cross-section	
• solid	0.75 ... 2.5 mm²
• finely stranded with core end processing	0.75 ... 1.5 mm²
Tightening torque	
• with screw-type terminals	0.5 ... 0.7 N·m

Installation/ mounting/ dimensions

Mounting type	snap-on mounting
Height	71 mm
Width	15.5 mm
Depth	78 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	
			Miscellaneous	Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

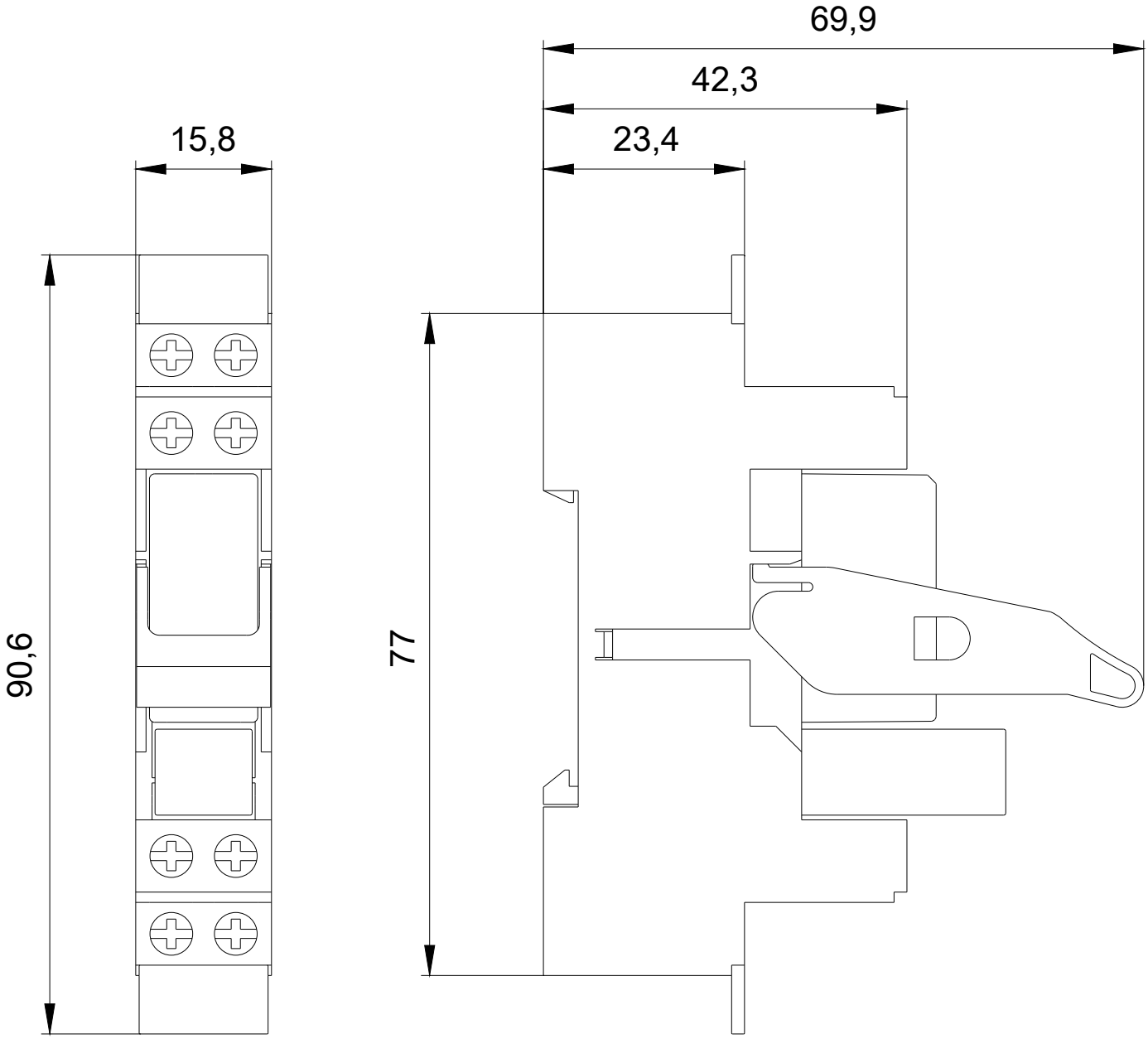
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:RT3A4L24

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT3A4L24

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3A4L24

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:RT3A4L24&lang=en

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