

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	360 1/h
Operating frequency with load	36 000 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	5 000 000
Electrical endurance (switching cycles) • at AC-15 at 230 V typical	80 000
Thermal current	8 A
Reference code acc. to DIN EN 81346-2	K

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 current 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 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	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 • 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)
Connectable conductor cross-section	
• solid • finely stranded with core end processing • finely stranded without core end processing	0.75 ... 1.5 mm ² 0.75 ... 1.5 mm ² 0.75 ... 1.5 mm ²
AWG number as coded connectable conductor cross section	
• solid • stranded	18 ... 16 18 ... 16

Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	snap-on mounting
Height	71 mm
Width	15.5 mm
Depth	98 mm
Required spacing	
• with side-by-side mounting — forwards — Backwards — upwards — downwards — at the side • for grounded parts — forwards — Backwards — upwards — at the side — downwards • for live parts — forwards — Backwards — upwards — downwards — at the side	0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm

Ambient conditions	
Ambient temperature	
• during operation	-40 ... +70 °C

- during storage
- during transport

-20 ... +70 °C

-20 ... +70 °C

Certificates/ approvals

General Product Approval	Declaration of Conformity	other
 VDE	  EG-Konf.	Miscellaneous 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

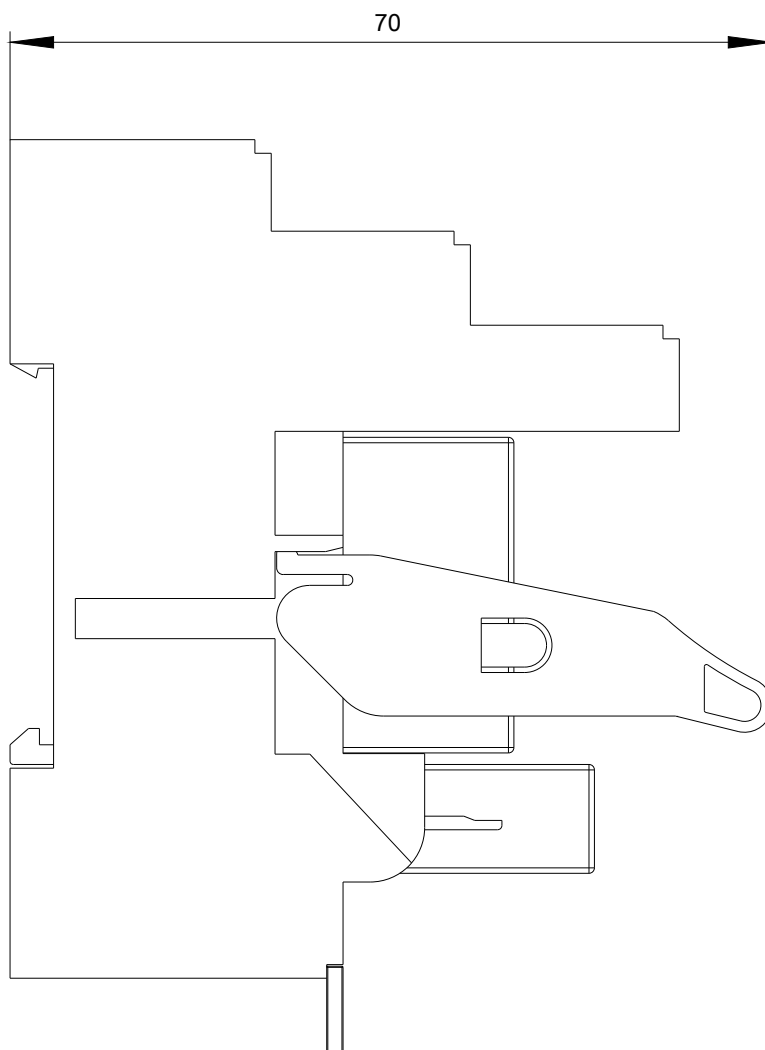
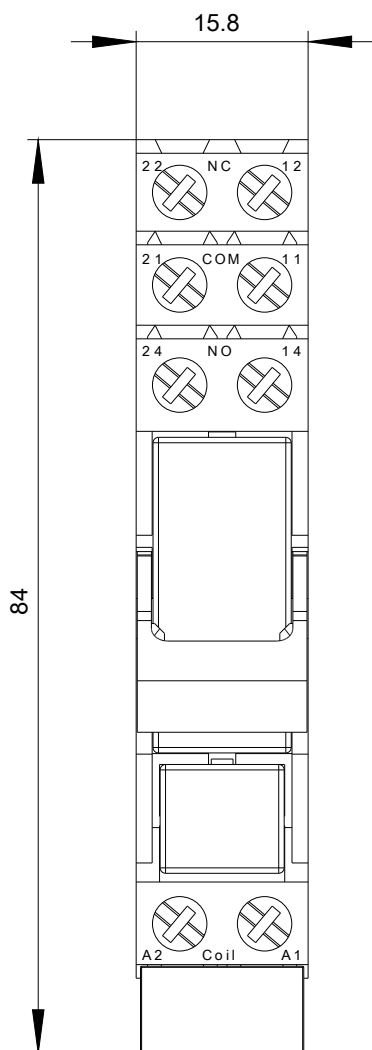
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT4D4R24>

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



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