



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
consumed active power	0.4 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
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	100 000
thermal current	16 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012

Control circuit/ Control

control supply voltage at DC	24 V
• rated value	
closing delay	8 ms
• at DC	
opening delay	6 ms
• at DC	
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
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Auxiliary circuit

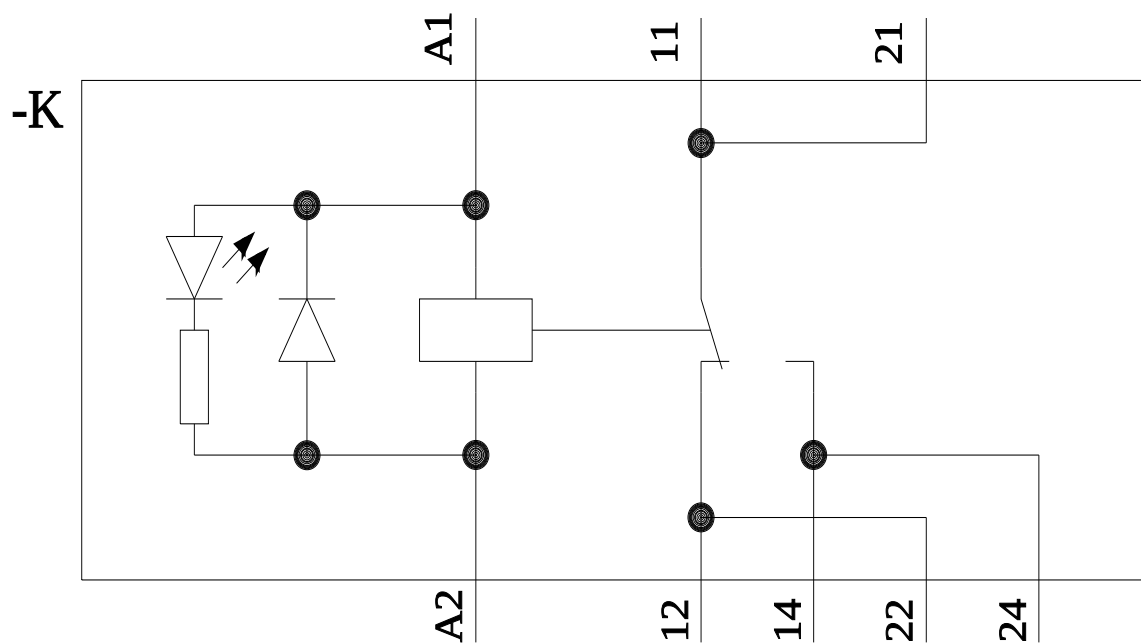
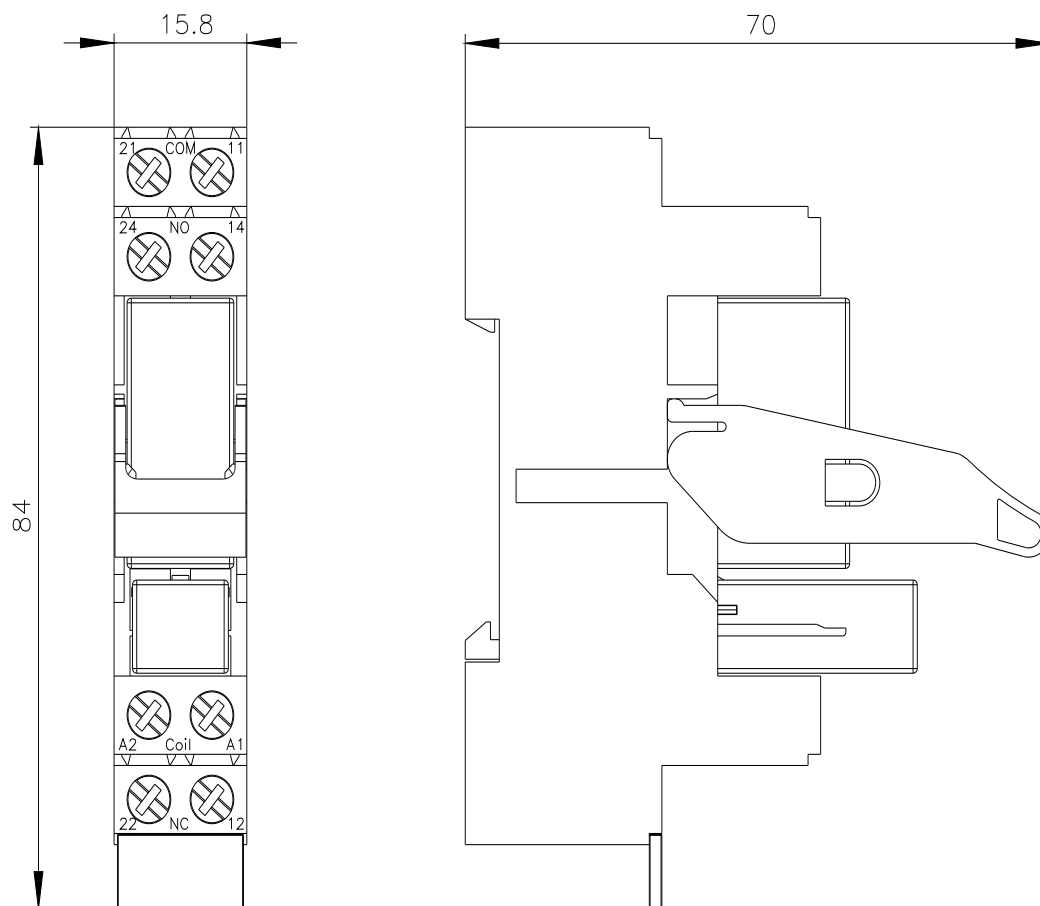
type of switching contact	Changeover contact
material of switching contacts	AgNi 90/10
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	1

Main circuit

type of voltage	DC
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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		
• solid	1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5	
• finely stranded with core end processing	1x (1.0 ... 1.5), 2x 1.0, 2x 1.5	
• at AWG cables solid	1x (18 ... 14), 2x 18, 2x 16, 2x 14	
connectable conductor cross-section		
• solid	1 ... 2.5 mm²	
• finely stranded with core end processing	1 ... 1.5 mm²	
AWG number as coded connectable conductor cross section		
• solid	18 ... 14	
tightening torque with screw-type terminals	0.5 ... 0.7 N·m	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	snap-on mounting	
height	78 mm	
width	15.5 mm	
depth	71 mm	
Ambient conditions		
ambient temperature		
• during operation	-40 ... +70 °C	
• during storage	-20 ... +70 °C	
• during transport	-20 ... +70 °C	
Certificates/ approvals		
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: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		
Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3A4L24/manual		



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