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Data sheet LZS:RT3D4L24

Plug-in relay complete unit 1 W, 24 V DC 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
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 acc. to IEC 81346-2	K
Substance Prohibitance (Date)	01.05.2012
Control circuit/ Control	
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	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	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

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number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	1
Main circuit	
type of voltage	DC
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	

General Product Approval	Declaration of Conformity	other

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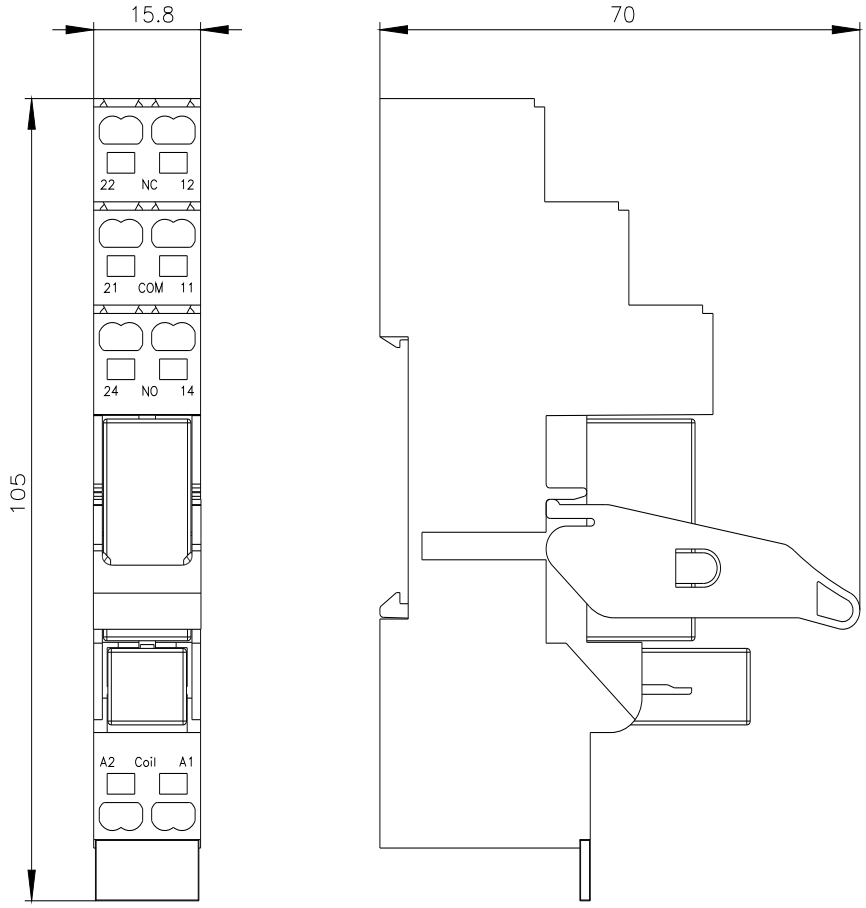
Miscellaneous

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:RT3D4L24
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT3D4L24
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3D4L24
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:RT3D4L24&lang=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3D4L24/manual



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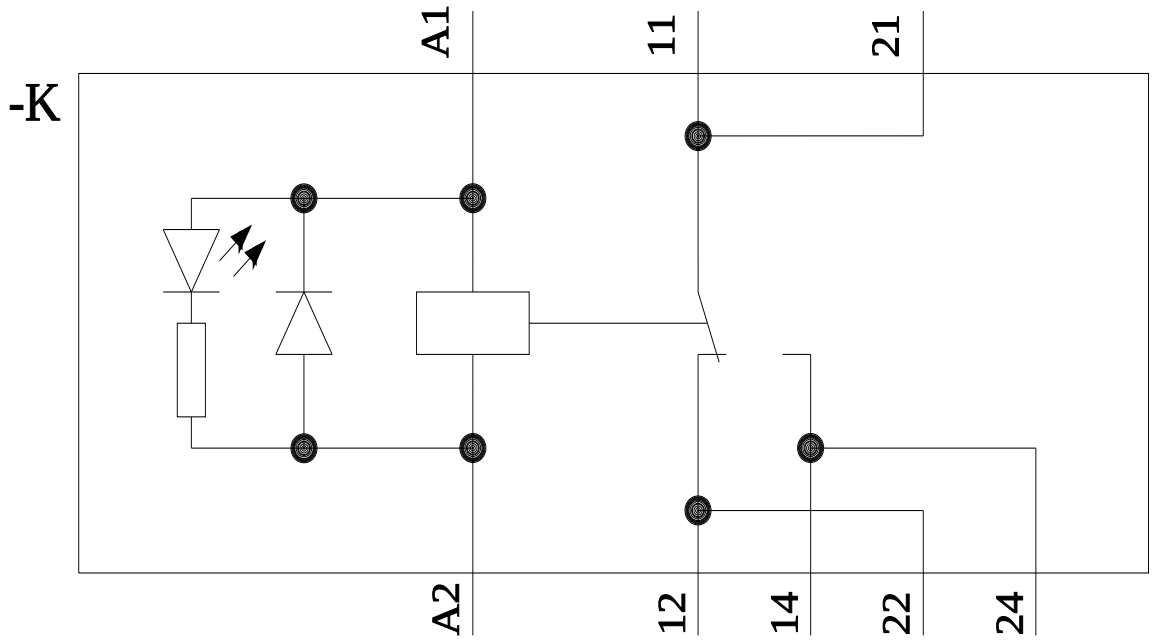

last modified: 10/13/2021

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