SIEMENS

Data sheet LZS:PT5D5L24

plug-in relay complete unit, 4 changeover contacts, 24 V DC, LED module red, base with logical isolation, spring-loaded 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	0.75 W
percental drop-out voltage related to the input voltage	10 %
operating frequency without load	36 000 1/h
operating frequency with load	360 1/h
switching behavior	monostable
mechanical service life (operating cycles) typical	30 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	250 000
thermal current	6 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012
Weight	0.108 kg
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 maximum	15 ms
opening delay	
● at DC maximum	18 ms
Switching Function	
design of the switching function	changeover switch
Mechanical data	
product component plug-in socket	Yes
design of the snap-on socket base	Socket with logic isolation
design of the relay operating mechanism	poled
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gG: 6 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

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number of CO contacts for auxiliary contacts	4
operational current of auxiliary contacts at AC-15	
● at 250 V	4 A
operational current at DC-13 at 24 V rated value	4 A
operational current of auxiliary contacts at DC-13	
● at 24 V	4 A
Main circuit	
type of voltage	DC
ampacity of the output relay at DC-13	
● at 24 V	4 A
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
● for AWG cables solid	1x (18 ... 16), 2x (18 ... 16)
● for 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	28 mm
depth	79 mm
Ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-25 ... +70 °C
● during transport	-25 ... +70 °C

Approvals Certificates

General Product Approval				other
CE EG-Konf.	UKCA	DVE VDE	EAC	产品合格 QC PASS

Confirmation

Environment

Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
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:PT5D5L24

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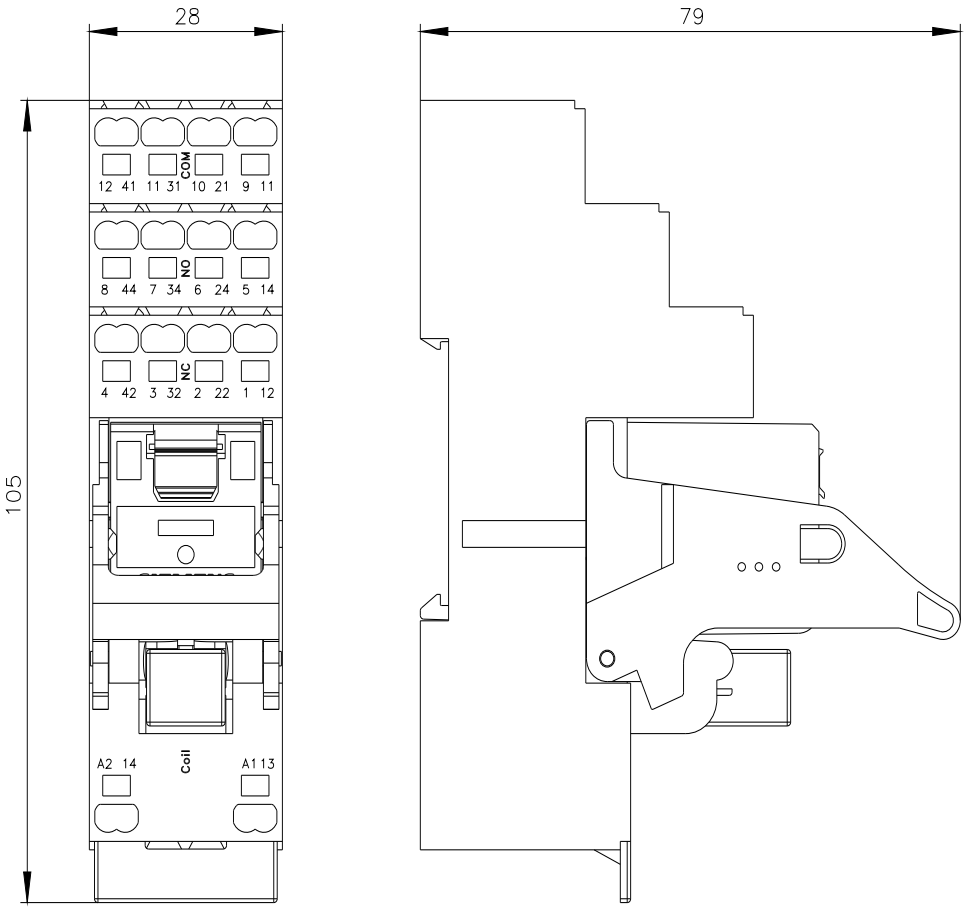
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5D5L24
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:PT5D5L24&lang=en



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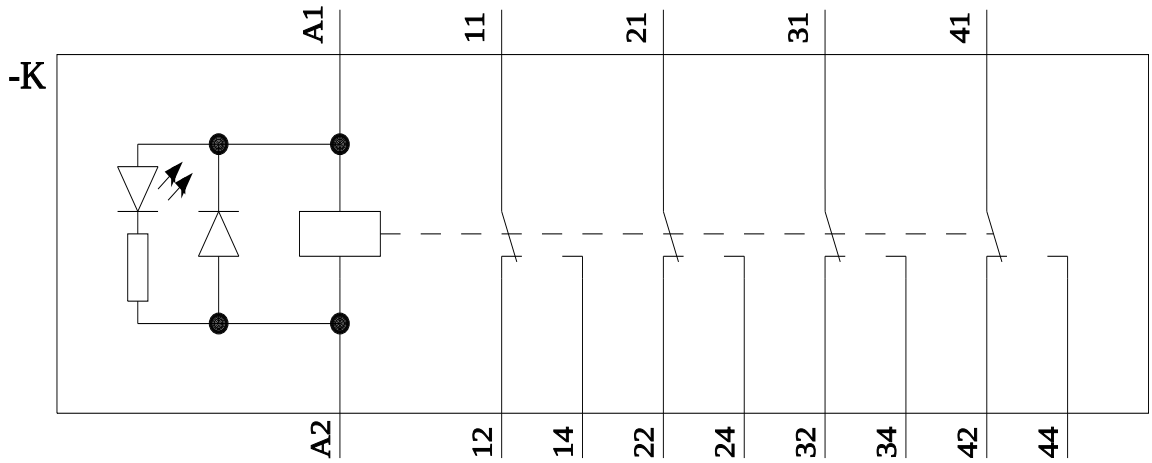

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