SIEMENS

Data sheet LZS:PT5B5R24

plug-in relay complete unit, 4 changeover contacts, 24 V AC, LED module red, base with logical isolation, screw terminal, 3.5 mm pinning

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	30 %
operating frequency without load	36 000 1/h
operating frequency with load	360 1/h
switching behavior	monostable
mechanical service life (operating cycles) typical	20 000 000
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	0.111 kg
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 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
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
number of CO contacts for auxiliary contacts	4
operational current of auxiliary contacts at AC-15	
● at 250 V	2 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	AC
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	screw terminal
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
● for 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	77 mm
width	27 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	
UKCA	CE EG-Konf.	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 for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

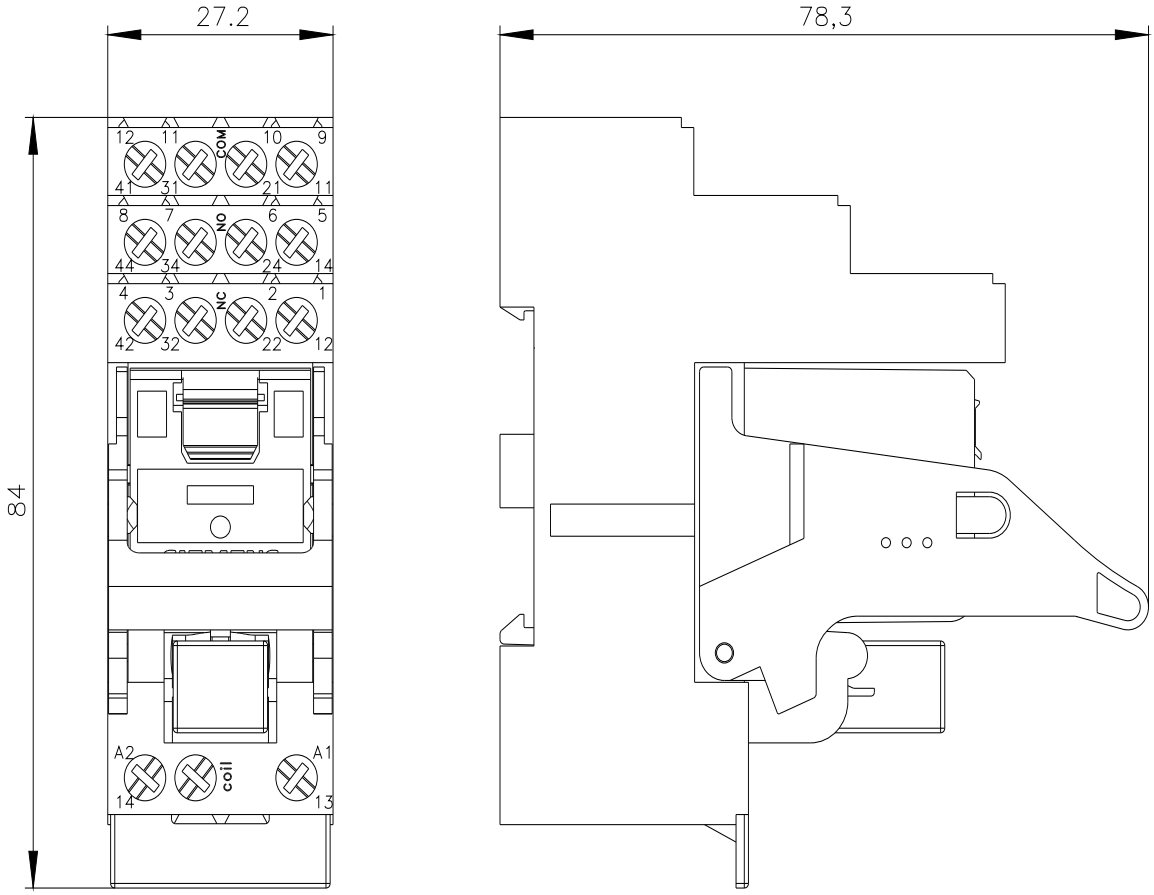
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

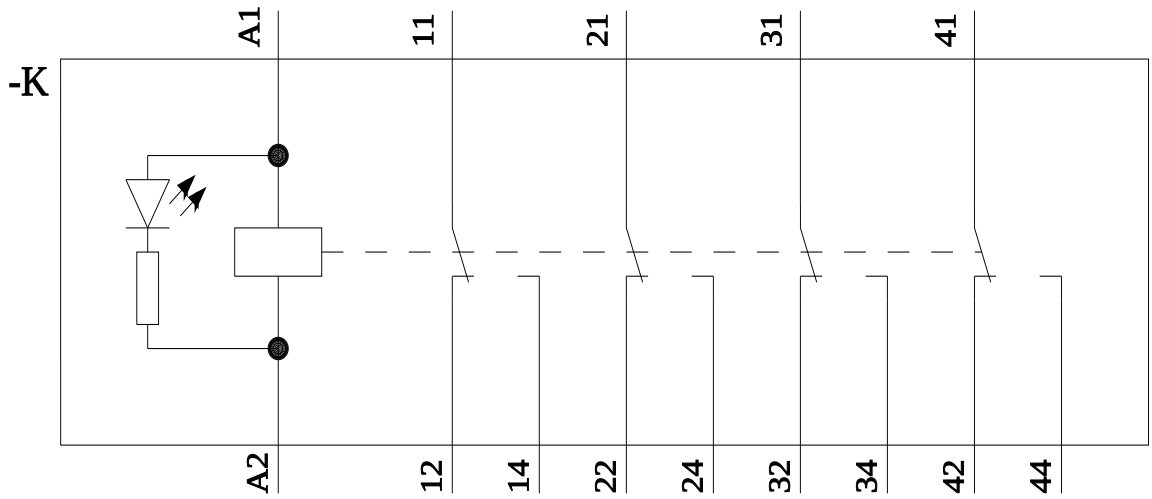
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5B5R24

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5B5R24

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5B5R24

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:PT5B5R24&lang=en





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