SIEMENS

Data sheet   **LZS:PT2D5T30**

Plug-in relay complete unit 2 W, 230 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	30 %
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 (operating cycles) typical	20 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	180 000
thermal current	12 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012

Control circuit/ Control

control supply voltage at AC	
● at 50 Hz rated value	230 V
● at 60 Hz rated value	230 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
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: 6 A

Auxiliary circuit

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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
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	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	28 mm
depth	79 mm

Ambient conditions

ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-25 ... +70 °C
● during transport	-25 ... +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)
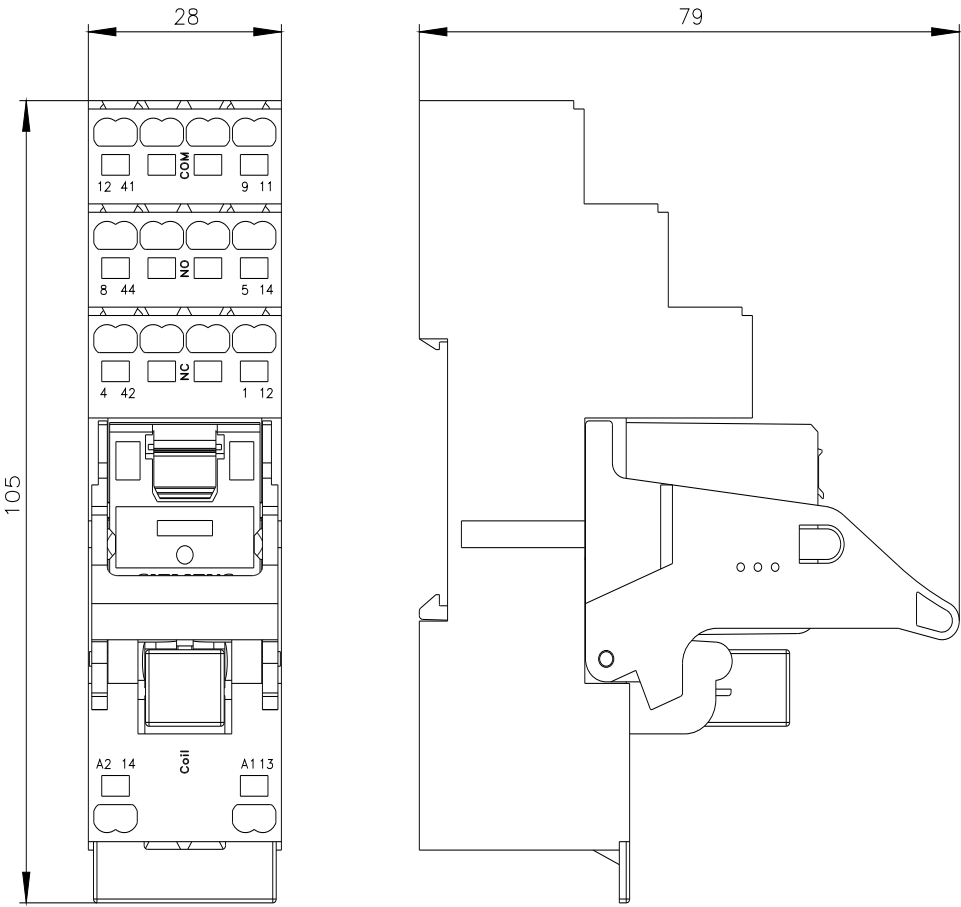https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT2D5T30
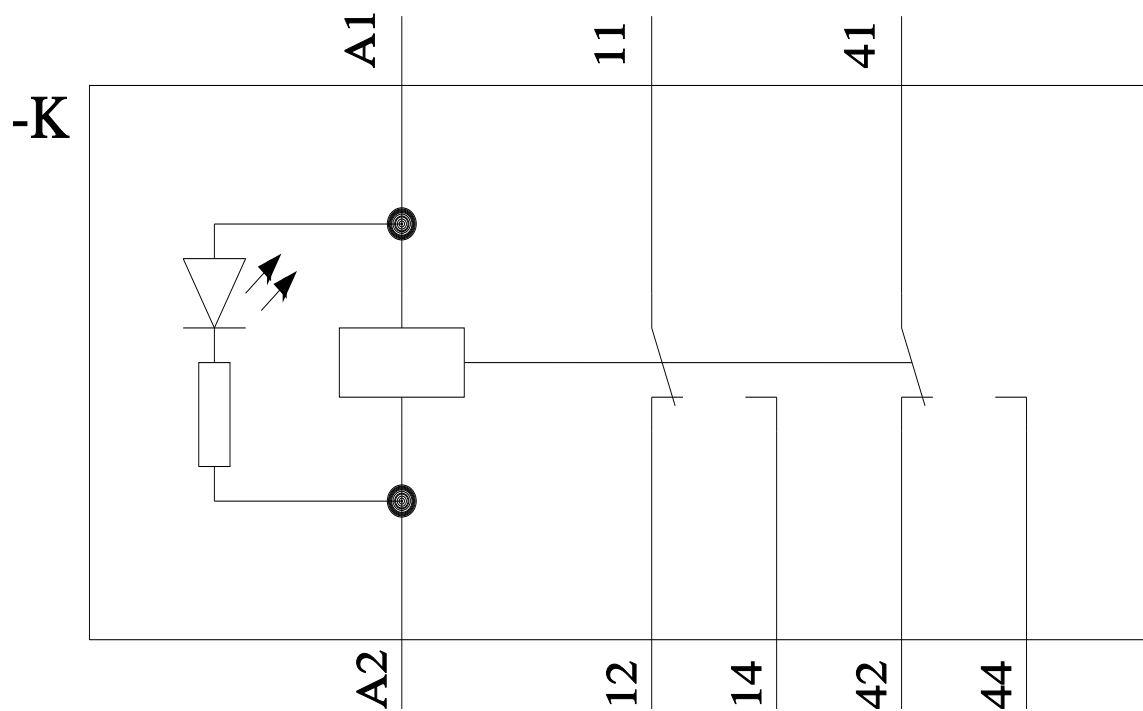**Cax online generator**
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT2D5T30
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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