SIEMENS

Data sheet   **LZX:PT370024**

Plug-in relay, 3 changeover contacts 24 V DC, 10 A, Width 22.5 mm for LZS sockets

product brand name	SIRIUS
product designation	Plug-in relay
product type designation	LZX

General technical data

consumed active power	741 mW
percental drop-out voltage related to the input voltage	10 %
shock resistance according to IEC 60068-2-27	5g / 11 ms
vibration resistance according to IEC 60068-2-6	30 ... 150 Hz: 4g
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	30 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	180 000
thermal current	10 A
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012

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
design of the relay operating mechanism	poled
product component plug-in socket	No

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	3
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

4/4/2023

ampacity of the output relay at AC-15 at 250 V at 50/60 Hz	4 A
ampacity of the output relay at DC-13	
● at 24 V	4 A

Connections/ Terminals

product function removable terminal	No

Installation/ mounting/ dimensions

mounting position	any
fastening method	base mounting
height	28 mm
width	22.5 mm
depth	35 mm

Ambient conditions

ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C

Certificates/ approvals

General Product Approval	Declaration of Conformity
Confirmation	

UR   VDE   EAC   UKCA   CE EG-Konf.

Marine / Shipping	other
Lloyd's Register LRS	Confirmation

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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=LZX:PT370024
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZX:PT370024
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT370024
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZX:PT370024&lang=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT370024/manual

22.5

28

6

29

0.5

SIEMENS
LZX:PT370024

-K   A1   11   21   31

A2   12 14   22 24   32 34

4/4/2023