SIEMENS

Data sheet LZS:PT5D5L24



Plug-in relay complete unit 4 W, 24 V DC LED module red Socket with logic isolation Spring-type terminal (push-in)

product designation product type designation LZS General technical data display version LED consumed active power percental drop-out voltage related to the input voltage protection class IP operating frequency without load operat	product brand name	SIRIUS
display version LED consumed active power percental drop-out voltage related to the input voltage protection class IP operating frequency without load operating frequency with load switching behavior design of the switching function design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • (ill-scale value closing delay • at DC opening the relay operating mechanism product component plug-in socket design of the relay operating mechanism product component plug-in socket design of the snap-on socket base Socket with logic isolation Short-circuit protection design of the snap-on socket base Socket with logic isolation Short-circuit protection design of the swap-on socket base Socket with logic isolation Changeover contact AgNii 90/10 number of NC contacts for auxiliary contacts	product designation	Coupling relay with plug-in relay
display version LED consumed active power percental drop-out voltage related to the input voltage protection class IP operating frequency without load operating frequency with load switching behavior design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current ference code according to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at DC initial value operating range factor control supply voltage rated value at DC initial value closing delay at DC design of the relay operating mechanism product component plug-in socket design of the relay operating mechanism product component plug-in socket design of the snap-on socket base Socket with logic isolation Short-circuit protection design of the snap-on socket base Socket with logic isolation Changeover switch Apkil 90/10 Changeover contact Apkil 90/10 Changeover contact Apkil 90/10 Changeover contact Apkil 90/10 number of NC contacts for auxiliary contacts 0	product type designation	LZS
consumed active power percental drop-out voltage related to the input voltage protection class IP operating frequency without load 36 000 1/h 360 001	General technical data	
percental drop-out voltage related to the input voltage protection class IP	display version LED	Yes
protection class IP operating frequency without load operating frequency with load switching behavior design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) Control circulit/ Control control supply voltage at DC	consumed active power	0.75 W
operating frequency with load operating frequency with load switching behavior design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control Control circuit/ Control Control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • full-scale value • at DC opening delay • at DC design of the relay operating mechanism product component plug-in socket design of the relay operating mechanism product component plug-in socket design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts	percental drop-out voltage related to the input voltage	10 %
operating frequency with load switching behavior design of the switching function clasing of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 K Substance Prohibitance (Date) Control circuit/ Control Control supply voltage at DC	protection class IP	IP20
switching behavior design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) Control supply voltage at DC	operating frequency without load	36 000 1/h
design of the switching function design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control Control supply voltage at DC	operating frequency with load	360 1/h
design of the switching function positively driven mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 6 A Freedrence code according to IEC 81346-2 K Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control Control supply voltage at DC • rated value at DC • rated value at DC • initial value 0.9 • full-scale value 1.4 Closing delay • at DC 15 ms opening delay • at DC 0 15 ms opening delay • at DC 18 ms design of the relay operating mechanism poled product component plug-in socket 4 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	switching behavior	monostable
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at DC	design of the switching function	changeover switch
electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 K Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value 0.9 • full-scale value 1.4 closing delay • at DC 0pening delay • at DC 18 ms opening delay • at DC 18 ms design of the relay operating mechanism poled 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts of auxiliary contacts number of NO contacts for auxiliary contacts of the number of NO contacts	design of the switching function positively driven	No
230 V typical thermal current reference code according to IEC 81346-2 Substance Prohibitiance (Date) Control circuit/ Control control supply voltage at DC	() () ()	30 000 000
reference code according to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • initial value • initial value • tull-scale value closing delay • at DC opening delay • at DC design of the relay operating mechanism poled product component plug-in socket yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts		250 000
Substance Prohibitance (Date) Control circuit/ Control control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • full-scale value • at DC opening delay • at DC design of the relay operating mechanism product component plug-in socket Yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxillary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary	thermal current	6 A
control circuit/ Control control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • full-scale value • at DC opening delay • at DC design of the relay operating mechanism poled product component plug-in socket Yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxillary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NC co	<u> </u>	K
control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value • full-scale value closing delay • at DC opening delay • at DC design of the relay operating mechanism poled product component plug-in socket Yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0	Substance Prohibitance (Date)	05/01/2012
rated value operating range factor control supply voltage rated value at DC initial value • full-scale value 1.4 closing delay • at DC opening delay • at DC design of the relay operating mechanism poled product component plug-in socket Yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts	Control circuit/ Control	
operating range factor control supply voltage rated value at DC • initial value • full-scale value • at DC •	control supply voltage at DC	
value at DC • initial value • full-scale value • full-scale value • at DC opening delay • at DC design of the relay operating mechanism product component plug-in socket yes design of the snap-on socket base Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0 0.9 0.9 0.9 1.4 1.4 1.5 ms poled Yes Socket with logic isolation Fuse gG: 6 A availiary circuit Changeover contact AgNi 90/10 number of NO contacts for auxiliary contacts 0	rated value	24 V
• full-scale value closing delay • at DC opening delay • at DC opening delay • at DC other component plug-in socket design of the relay operating mechanism product component plug-in socket 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0		
closing delay	• initial value	0.9
at DC opening delay at DC tesign of the relay operating mechanism product component plug-in socket product component plug-in socket tesign 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 18 ms poled Yes Socket with logic isolation fuse gG: 6 A Changeover contact AgNi 90/10 Opening the sum of	 full-scale value 	1.4
opening delay • at DC design of the relay operating mechanism product component plug-in socket 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0	closing delay	
 at DC design of the relay operating mechanism product component plug-in socket 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0 	• at DC	15 ms
design of the relay operating mechanism product component plug-in socket 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0 poled Yes Socket with logic isolation Change isolation Change isolation Change over contact AgNi 90/10 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts	opening delay	
product component plug-in socket 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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0	• at DC	18 ms
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 Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0 Socket with logic isolation fuse gG: 6 A Auxiliary circuit Changeover contact AgNi 90/10 0 10 10 10 10 10 10 10 10	design of the relay operating mechanism	poled
Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact Changeover contact AgNi 90/10 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0		Yes
design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0	design of the snap-on socket base	Socket with logic isolation
auxiliary switch required Auxiliary circuit type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0	Short-circuit protection	
type of switching contact material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0		fuse gG: 6 A
material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 0	Auxiliary circuit	
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	type of switching contact	
number of NO contacts for auxiliary contacts 0	material of switching contacts	AgNi 90/10
	number of NC contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts 4	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	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	
 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

General Product Approval Declaration of Conformity othe

Confirmation









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)

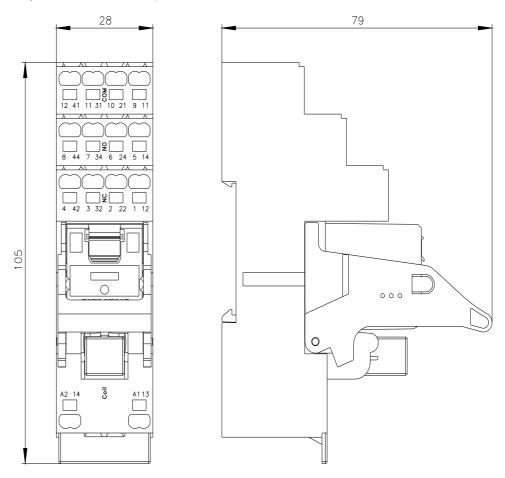
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5D5L24

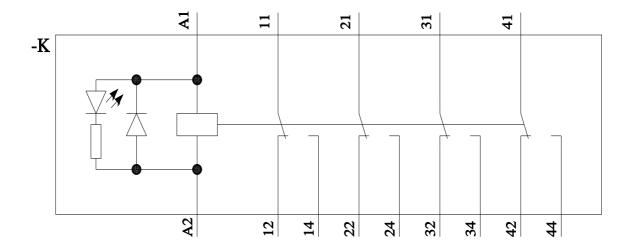
Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=LZS:PT5D5L24}}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24

Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5D5L24/manual





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