SIEMENS

Data sheet LZX:PT270730



Plug-in relay, 2 change-over contacts 230 V AC, also for LZS sockets

product designation Plug-in relay product type designation Ceneral technical data percental drop-out voltage related to the input voltage shock resistance acc. to IEC 60068-2-27 sip /11 ms vibration resistance acc. to IEC 60068-2-6 30 150 Hz: 4g operating frequency without load 38 000 1/h operating frequency without load 380 01 /h switching behavior design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control sircuit/ Control control supply voltage at AC at 50 Hz rated value 230 V 1 rated value 2 rated value 2 rated value 2 rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value outproacce to relate the related value full-scale value	product brand name	SIRIUS		
General technical data percental drop-out voltage related to the input voltage shock resistance acc. to IEC 60068-2-27 5g / 11 ms vibration resistance acc. to IEC 60068-2-6 30 150 Hz: 4g operating frequency without load 36 000 1/h operating frequency without load 36 000 1/h switching behavior design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current reference code acc. to IEC 81346-2 Ksubstance Prohibitance (Date) Control circuit/ Control control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 230 V control supply voltage frequency 1 rated value 2 rated value 2 rated value 3 control supply voltage frequency 1 rated value 2 rated value 3 control supply voltage frequency 1 rated value 4 rated value 5 o Hz initial value 4 initial value 5 uinitial value 5 uinitial value 6 uili-scale value	product designation	Plug-in relay		
percental drop-out voltage related to the input voltage shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 30 150 Hz: 4g operating frequency without load 36 000 1/h perating frequency with load 360 1/h switching behavior design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 12 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 0 10.05.2012 00:00:00 control supply voltage at AC • at 50 Hz rated value 230 V • at 60 Hz rated value • 27 rated value • 27 rated value • 27 rated value • 27 rated value • 1 rated value • 1 rated value • 2 rated value • 2 rated value • 1 rated value • 1 rated value • 1 rated value • 2 rated value • 2 rated value • 1 rated value • 1 rated value • 2 rated value • 2 rated value • 1 rated value • 1 rated value • 2 rated value • 1 rated value • 1 rated value • 1 rated value • 1 rated value • 2 rated value • 2 rated value • 2 rated value • 30 V • 30 W • 40 Hz • 60 Hz	product type designation	LZX		
shock resistance acc. to IEC 60068-2-27 sipration resistance acc. to IEC 60068-2-6 operating frequency without load operating frequency with load switching behavior design of the switching function monostable design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical vypical thermal current terrence code acc. to IEC 81346-2 Substance Prohibitance (Date) control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 2 rated value 2 rated value 2 rated value 50 Hz initial value full-scale value	General technical data			
vibration resistance acc. to IEC 60068-2-6 operating frequency without load operating frequency without load so 000 1/h operating frequency with load switching behavior design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 12 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 00:00:00 Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 1 rated value 2 rated value 50 Hz • initial value • full-scale value • operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value • full-scale value • unitial value • full-scale value • unitial value • full-scale value • full-scale value • full-scale value	percental drop-out voltage related to the input voltage	30 %		
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 (switching cycles) typical electrical endurance (switching cycles) typical vypical thermal current treference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • 230 V control supply voltage frequency • 1 rated value • 2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value a AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value a AC at 60 Hz initial value • full-scale value full-scale value full-scale value design of the relay operating mechanism poled product component plug-in socket No	shock resistance acc. to IEC 60068-2-27	5g / 11 ms		
operating frequency with load switching behavior design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current thermal current reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC at 50 Hz rated value 2 30 V control supply voltage frequency 1 rated value 2 retade value 50 Hz 2 rated value 60 Hz supply voltage frequency for auxiliary and control circuit rated value 9 rate for to trace to supply voltage rated value at AC at 50 Hz initial value 1 full-scale value 0 peratting range factor control supply voltage rated value at AC at 60 Hz initial value 1 full-scale value 2 full-scale value 1 full-scale value 1 full-scale value 2 full-scale value 3 full-scale value 4 full-scale value 5 full-scale value 6 full-scale value 9 full-scale value 1 full-scale value 1 full-scale value 9 full-scale value 1 full-scale value 1 full-scale value 1 full-scale value 1 full-scale value 9 full-scale value 1 full-scale value 1 full-scale value 9 full-scale value 1 full-scale value 1 full-scale value 1 full-scale value	vibration resistance acc. to IEC 60068-2-6	30 150 Hz: 4g		
switching behavior design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 12 A reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC at 50 Hz rated value 230 V control supply voltage frequency 1 rated value 2 rated value 2 rated value 50 Hz control supply voltage frequency 1 rated value 50 Hz control supply voltage frequency 1 rated value 50 Hz control supply voltage frequency 1 rated value 50 Hz control supply voltage frequency 1 rated value 50 Hz control supply voltage frequency for auxiliary and control circuit rated value coperating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value poperating range factor control supply voltage rated value at AC at 60 Hz initial value full-scale value full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket No	operating frequency without load	36 000 1/h		
design of the switching function design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 12 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 00:00:00 Control circuit/ Control control supply voltage at AC at 50 Hz rated value 230 V at 60 Hz rated value 50 Hz 1 rated value 60 Hz supply voltage frequency 1 rated value 9 2 rated value 1 supply voltage frequency 1 rated value 9 2 rated value 1 supply voltage frequency 1 rated value 9 2 rated value 1 supply voltage frequency 1 rated value 9 2 rated value 1 rated value 9 2 rated value 1 rated value 9 0 Hz supply voltage frequency for auxiliary and control circuit rated value 0 operating range factor control supply voltage rated value at AC at 50 Hz initial value 9 full-scale value 9 0.9 1.1 operating range factor control supply voltage rated value at AC at 60 Hz initial value 9 full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket	operating frequency with load	360 1/h		
design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current tppical thermal current t2 A reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 2 rated value • 1 rated value • 2 rated value • 2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value initial value • full-scale value of the relay operating mechanism poled product component plug-in socket No	switching behavior	monostable		
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 12 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 2 rated value • 2 rated value • 2 rated value • 2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value	design of the switching function	changeover switch		
electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 230 V 1 rated value 2 rated value 50 Hz 2 rated value 50 Hz supply voltage frequency for auxiliary and control circuit rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value full-scale value outproduct component plug-in socket 12 A 13 A 14 O 90 O 9	design of the switching function positively driven	No		
thermal current reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 230 V control supply voltage frequency • 1 rated value • 2 rated value • 2 rated value 50 Hz • 2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz	mechanical service life (switching cycles) typical	20 000 000		
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 230 V control supply voltage frequency • 1 rated value • 2 rated value • 2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • poled product component plug-in socket No	,	180 000		
Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 1 rated value • 230 V control supply voltage frequency • 1 rated value • 27 rated value • 28 rated value • 29 rated value coperating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value • initial value • initial value • initial value • full-scale value	thermal current	12 A		
Control circuit/ Control control supply voltage at AC • at 50 Hz rated value 230 V • at 60 Hz rated value 50 Hz • 1 rated value 50 Hz • 2 rated value 60 Hz supply voltage frequency 60 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value 0.9 • full-scale value 0.9	reference code acc. to IEC 81346-2	K		
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 230 V control supply voltage frequency • 1 rated value 50 Hz • 2 rated value 50 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket	Substance Prohibitance (Date)	01.05.2012 00:00:00		
at 50 Hz rated value at 60 Hz rated value 230 V control supply voltage frequency 1 rated value 250 Hz 60 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz	Control circuit/ Control			
at 60 Hz rated value control supply voltage frequency 1 rated value 2 rated value 2 rated value 50 Hz 60 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz	control supply voltage at AC			
control supply voltage frequency • 1 rated value • 2 rated value 50 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • initial value • initial value • full-scale value 1.1 design of the relay operating mechanism product component plug-in socket No	 at 50 Hz rated value 	230 V		
1 rated value 2 rated value 50 Hz 50 Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value independent part of the relay operating mechanism poled product component plug-in socket No	at 60 Hz rated value	230 V		
2 rated value supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz initial value o.9 full-scale value operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz operating range factor control supply voltage rated value at AC at 60 Hz	control supply voltage frequency			
supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value • initial value • initial value • full-scale value • full-scale value • full-scale value • poled product component plug-in socket	• 1 rated value	50 Hz		
circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value 1.1 operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value 1.1 design of the relay operating mechanism product component plug-in socket No	• 2 rated value	60 Hz		
value at AC at 50 Hz initial value of tull-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value of tull-scale value of tull-s		50 60 Hz		
full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value full-scale value full-scale value design of the relay operating mechanism product component plug-in socket 1.1 1.1				
operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value 1.1 design of the relay operating mechanism product component plug-in socket No	• initial value	0.9		
value at AC at 60 Hz	full-scale value	1.1		
• full-scale value design of the relay operating mechanism product component plug-in socket No				
design of the relay operating mechanism product component plug-in socket No	• initial value	0.9		
product component plug-in socket No	full-scale value	1.1		
· · · · ·	design of the relay operating mechanism	poled		
Auxiliary circuit	product component plug-in socket	No		
	Auxiliary circuit			

type of switching contact	Chan	geover 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			
Outputs				
ampacity of the output relay at AC-15 at 250 V at 50/60 Hz	2 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	Marine / Shipping	









Miscellaneous



other

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=LZX:PT270730

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZX:PT270730

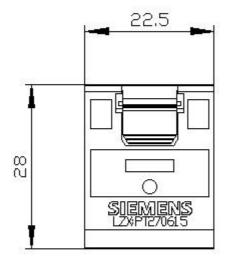
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

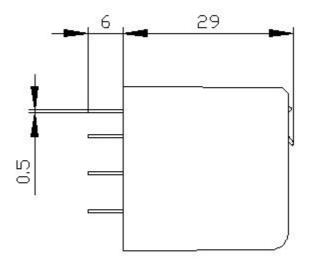
https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT270730

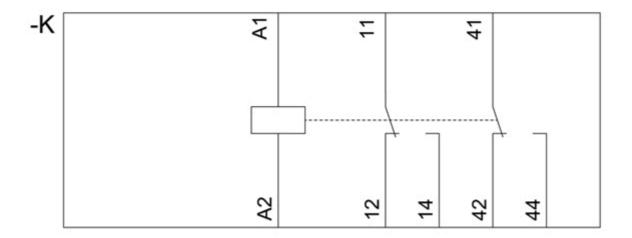
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZX:PT270730&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT270730/manual







last modified: 12/23/2020 🖸