SIEMENS

Data sheet LZX:PT520730



Plug-in relay 4 changeover contacts, without test bracket 230 V AC, for LZS sockets

| 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 • initial value • initial value • initial value • full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket | product brand name | SIRIUS | | |
|--|---|--------------------|--|--|
| General technical data percental drop-out voltage related to the input voltage shock resistance acc. to IEC 60068-2-6 shock resistance acc. to IEC 60068-2-6 shock resistance acc. to IEC 60068-2-6 sperating frequency without load sperating frequency without load sperating frequency with load sperating frequency design of the switching function positively driven mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V substance Prohibitance (Date) Control circuit Control control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 230 V at 60 Hz at 7 at 80 Hz at 80 Hz rated value by voltage frequency at 80 Hz rated value by voltage frequency for auxillary and control circuit rated value coperating range factor control supply voltage rated value at AC at 50 Hz initial value i | product designation | Plug-in relay | | |
| percental drop-out voltage related to the input voltage shock resistance acc. to IEC 60068-2-27 | product type designation | LZX | | |
| shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 operating frequency without load operating frequency with load switching behavior design of the switching function mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current ference code acc. to IEC 81346-2 substance Prohibitance (Date) 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 3 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 initial value initial value 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 Coperating 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 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 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 fact | General technical data | | | |
| vibration resistance acc. to IEC 60068-2-6 operating frequency without load operating frequency with load side 000 1/h operating frequency with load side 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 feference code acc. to IEC 81346-2 Ksubstance Prohibitance (Date) Control supply voltage at AC at 50 Hz rated value 2 30 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 230 V control supply voltage frequency 1 rated value 2 2 rated value 2 2 rated value 2 2 rated value 4 0 Hz circuit rated value 50 Hz initial value 0 0.9 full-scale | 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 design of the switching function changeover switch design of the switching function positively driven mechanical service life (switching cycles) typical 20 000 000 electrical endurance (switching cycles) typical 250 000 typical thermal current 6 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 Control supply voltage at AC | shock resistance acc. to IEC 60068-2-27 | 5g / 11 ms | | |
| operating frequency with load switching behavior design of the switching function mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current ference code acc. to IEC 81346-2 Substance Prohibitance (Date) Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • 1 ated value • 2 rated value • 2 rated value • 2 rated value supply voltage frequency for auxiliary and control circuit value • initial value • full-scale value • initial value • initial value • initial value • full-scale value • ful | vibration resistance acc. to IEC 60068-2-6 | 30 150 Hz: 4g | | |
| switching behavior design of the switching function changeover switch design of the switching function positively driven No mechanical service life (switching cycles) typical 20 000 000 electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 Control circuit/ Control control supply voltage at AC at 50 Hz rated value 230 V control supply voltage frequency 1 rated value 230 V control supply voltage frequency 1 rated value 50 Hz 2 rated value 60 Hz supply voltage frequency 60 Hz control circuit rated value 50 Hz control circuit rated value 60 Hz control circuit rated value 90.9 full-scale value 0.9 full-scale value | operating frequency without load | 36 000 1/h | | |
| design of the switching function changeover switch design of the switching function positively driven No mechanical service life (switching cycles) typical 20 000 000 electrical endurance (switching cycles) at AC-15 at 230 V typical 250 000 thermal current 6 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 Control circuit/ Control 230 V control supply voltage at AC 230 V e at 50 Hz rated value 230 V e at 60 Hz rated value 50 Hz e 2 rated value 60 Hz supply voltage frequency 50 Hz eintial value 50 60 Hz eintial value 0.9 full-scale value 0.9 eintial value < | 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 6 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 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 • full-scale value • full-scale 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 • initial value • full-scale value Act 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 Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full-scale value Act at 60 Hz • initial value • full- | switching behavior | monostable | | |
| mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical thermal current 6 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 • 230 V • at 60 Hz rated value • 230 V control supply voltage frequency • 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 • | 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 • 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 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 O.9 • full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket No Auxiliary circuit type of switching contact Changeover contact | 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 • 230 V control supply voltage frequency • 1 rated value • 230 V control supply voltage frequency • 1 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 of the relay operating mechanism poled product component plug-in socket No Auxiliary circuit type of switching contact Changeover contact | 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 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 initial value • full-scale value • full-scale value 1.1 design of the relay operating mechanism product component plug-in socket type of switching contact K 01.05.2012 K 01.05.2012 K 01.05.2012 C30 V 230 V 230 V 250 Hz 60 Hz 50 60 Hz 50 60 Hz 50 60 Hz | , , , | 250 000 | | |
| 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 • 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 of full-scale value full-scale value full-scale value 1.1 design of the relay operating mechanism poled product component plug-in socket No Auxiliary circuit type of switching contact Changeover contact | thermal current | 6 A | | |
| control circuit/ Control control supply voltage at AC at 50 Hz rated value 230 V control supply voltage frequency 1 rated value 50 Hz 2 rated value 50 Hz 2 rated value 50 Hz 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 full-scale value | 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 • 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 operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value of ull-scale value full-scale value of ull-scale value full-scale value ful | Substance Prohibitance (Date) | 01.05.2012 | | |
| at 50 Hz rated value at 60 Hz rated value 230 V control supply voltage frequency 1 rated value 2 rated value 50 Hz 2 rated value 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 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 type of switching contact Changeover contact | Control circuit/ Control | | | |
| at 60 Hz rated value control supply voltage frequency 1 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 full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value initial v | control supply voltage at AC | | | |
| 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 • initial value • initial value • initial value • full-scale value on 9 • full-scale value 1.1 design of the relay operating mechanism product component plug-in socket No Auxiliary circuit type of switching contact Changeover contact | at 50 Hz rated value | 230 V | | |
| 1 rated value 2 rated value 30 Hz 40 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 initial value initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value full-scale value full-scale value full-scale value full-scale value full-scale value Changeover contact Changeover contact | at 60 Hz rated value | 230 V | | |
| O Hz supply voltage frequency for auxiliary and control circuit rated value operating range factor control supply voltage rated value at AC at 50 Hz o initial value operating range factor control supply voltage rated value at AC at 50 Hz o initial value operating range factor control supply voltage rated value at AC at 60 Hz o initial value o initial value o initial value o full-scale value of the relay operating mechanism product component plug-in socket No Auxiliary circuit type of switching contact Changeover contact | 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 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 Auxiliary circuit type of switching contact Changeover contact | 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 operating range factor control supply voltage rated value at AC at 60 Hz • initial value • initial value • full-scale value onumber of the relay operating mechanism product component plug-in socket Auxiliary circuit type of switching contact Changeover contact | 2 rated value | 60 Hz | | |
| 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 oinitial value | | 50 60 Hz | | |
| full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value full-scale val | | | | |
| operating range factor control supply voltage rated value at AC at 60 Hz initial value of ull-scale value of ull-scale value type of switching contact 0.9 1.1 1.1 0.9 1.1 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 | • 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 Auxiliary circuit type of switching contact 1.1 No Changeover contact | | | | |
| design of the relay operating mechanism product component plug-in socket Auxiliary circuit type of switching contact poled No Changeover contact | • initial value | 0.9 | | |
| product component plug-in socket Auxiliary circuit type of switching contact Changeover contact | full-scale value | 1.1 | | |
| Auxiliary circuit type of switching contact Changeover contact | design of the relay operating mechanism | poled | | |
| type of switching contact Changeover contact | product component plug-in socket | No | | |
| | Auxiliary circuit | | | |
| material of switching contacts AgNi 90/10 | type of switching contact | Changeover contact | | |
| | material of switching contacts | AgNi 90/10 | | |

| number of NC contacts for auxiliary contacts | 0 | 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 | 4 A | | | |
| Main circuit | | | | | |
| type of voltage | AC | | | | |
| 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 m | 35 mm | | | |
| Ambient conditions | | | | | |
| ambient temperature | | | | | |
| during operation | -40 . | -40 +70 °C | | | |
| during storage | -40 . | -40 +70 °C | | | |
| during transport | -40 . | -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:PT520730

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=LZX:PT520730}$

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

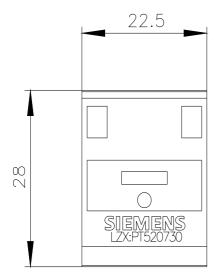
https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT520730

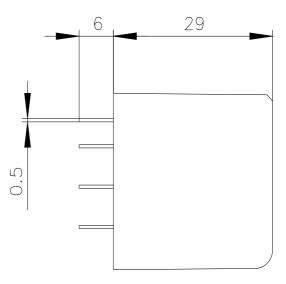
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

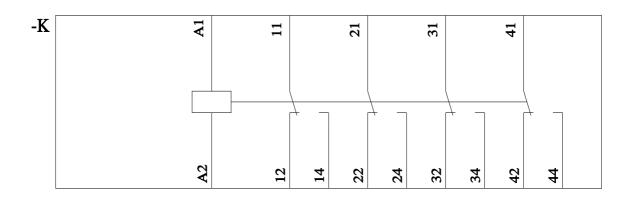
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZX:PT520730\&lang=en}}$

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/LZX:PT520730/manual







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