

Plug-in relay complete unit 4 W, 24 V DC LED module red Standard plug-in socket screw terminal 3.5 mm pinning



Product brand name	SIRIUS
Product designation	Coupling relay with plug-in relay
Product type designation	LZS

General technical data	
Display version LED	Yes
Consumed active power	0.75 W
Percental drop-out voltage related to the input voltage	10 %
Protection class IP	IP20
Switching behavior	monostable
Design of the switching function	changeover switch
Design of the switching function positively driven	No
Mechanical service life (switching cycles)	
• typical	30 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	250 000
Thermal current	6 A
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K

Reference code acc. to DIN EN 81346-2	K
Reference code acc. to DIN EN 61346-2	K
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
Closing delay	
• at DC	15 ms
Opening delay	
• at DC	18 ms
Design of the relay operating mechanism	poled
Product component Plug-in socket	Yes
Design of the snap-on socket base	Standard socket
Short-circuit protection	
Design of the fuse link	
• for short-circuit protection of the auxiliary switch required	fuse gG: 6 A
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	4
Operating current of auxiliary contacts at AC-15	
• at 250 V	4 A
Operating current at DC-13	
• at 24 V rated value	4 A
Operating current of auxiliary contacts at DC-13	
• at 24 V	4 A
Main circuit	
Type of voltage	DC
Outputs	
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	
<ul style="list-style-type: none"> • removable terminal 	No
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid 	1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5
<ul style="list-style-type: none"> • finely stranded with core end processing 	1x (1.0 ... 1.5), 2x 1.0, 2x 1.5
<ul style="list-style-type: none"> • at AWG conductors solid 	1x (18 ... 14), 2x 18, 2x 16, 2x 14
Connectable conductor cross-section	
<ul style="list-style-type: none"> • solid 	1 ... 2.5 mm ²
<ul style="list-style-type: none"> • finely stranded with core end processing 	1 ... 1.5 mm ²
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> • solid 	18 ... 14
Tightening torque	
<ul style="list-style-type: none"> • with screw-type terminals 	0.5 ... 0.7 N·m

Installation/ mounting/ dimensions

Mounting position	any
Mounting type	snap-on mounting
Height	72 mm
Width	28 mm
Depth	74 mm

Certificates/ approvals

General Product Approval

Declaration of Conformity

other



[Miscellaneous](#)

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/ic10

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT5A5L24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT5A5L24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT5A5L24>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:PT5A5L24&lang=en

last modified:

12/16/2019