

Plug-in relay complete unit 3 W, 24 V DC LED module red Standard plug-in socket screw terminal 3.5 mm pinning



Figure similar

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

General technical data	
Display version LED	Yes
Power loss [W] total typical	1 W
Consumed active power	0.75 W
Percental drop-out voltage related to the input voltage	10 %
Protection class IP	IP20
Operating frequency maximum	36 000 1/h
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	180 000

Thermal current	10 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
• 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

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	3
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
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Outputs

Ampacity of the output relay at DC-13	
<ul style="list-style-type: none"> • at 24 V 	4 A
Display	
Display version	
<ul style="list-style-type: none"> • as status display by LED 	LED red
Connections/Terminals	
Product function	
<ul style="list-style-type: none"> • removable terminal 	No
Type of electrical connection	
<ul style="list-style-type: none"> • for auxiliary and control current circuit 	screw-type terminals screw-type terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid 	2x 2,5
<ul style="list-style-type: none"> • finely stranded with core end processing 	2x 2,5
Connectable conductor cross-section	
<ul style="list-style-type: none"> • solid 	0.75 ... 2.5 mm ²
<ul style="list-style-type: none"> • finely stranded with core end processing 	0.75 ... 1.5 mm ²
Tightening torque	
<ul style="list-style-type: none"> • with screw-type terminals 	0.5 ... 0.7 N·m
Installation/ mounting/ dimensions	
Mounting type	snap-on mounting
Height	72 mm
Width	28 mm
Depth	74 mm
Required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards — Backwards — upwards — downwards — at the side 	0 mm 0 mm 0 mm 0 mm 0 mm
<ul style="list-style-type: none"> • for grounded parts <ul style="list-style-type: none"> — forwards — Backwards — upwards — at the side — downwards 	0 mm 0 mm 0 mm 0 mm 0 mm
<ul style="list-style-type: none"> • for live parts <ul style="list-style-type: none"> — forwards — Backwards — upwards — downwards 	0 mm 0 mm 0 mm 0 mm

— at the side

0 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
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EG-Konf.

[Confirmation](#)

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=LZS:PT3A5L24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT3A5L24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT3A5L24>

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:PT3A5L24&lang=en

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