

Plug-in relay complete unit 2 W, 230 V AC LED module red Socket with logic isolation Spring-type terminal (push-in)

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
Percental drop-out voltage related to the input voltage	15 %
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) <ul style="list-style-type: none"> • typical 	5 000 000
Electrical endurance (switching cycles) <ul style="list-style-type: none"> • at AC-15 at 230 V typical 	700 000
Thermal current	8 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 AC <ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value 	230 V 230 V
Control supply voltage frequency <ul style="list-style-type: none"> • 1 rated value • 2 rated value 	50 Hz 60 Hz
Supply voltage frequency for auxiliary and control current circuit rated value	50 ... 60 Hz
Operating range factor control supply voltage rated value at AC at 50 Hz <ul style="list-style-type: none"> • initial value • Full-scale value 	0.9 1.1

Operating range factor control supply voltage rated value at AC at 60 Hz	
<ul style="list-style-type: none"> • initial value • Full-scale value 	<p>0.9</p> <p>1.1</p>
Design of the relay operating mechanism	poled
Product component Plug-in socket	Yes
Design of the snap-on socket base	Logical

Short-circuit protection

Design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	fuse gG: 10 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	
<ul style="list-style-type: none"> • for auxiliary contacts 	2
Operating current of auxiliary contacts at AC-15	
<ul style="list-style-type: none"> • at 250 V 	3 A

Main circuit

Type of voltage	AC
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Outputs

Ampacity of the output relay at AC-15	
<ul style="list-style-type: none"> • at 250 V at 50/60 Hz 	3 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	spring-loaded terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 	spring-loaded terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid • finely stranded with core end processing • finely stranded without core end processing 	<p>2x (0,75 ... 1,0), 2x 1,5</p> <p>1x (0,75 ... 1,0), 2x 0,75, 1x 1,5</p> <p>2x (0,75 ... 1,0), 2x 1,5</p>
Connectable conductor cross-section	
<ul style="list-style-type: none"> • solid • finely stranded with core end processing 	<p>0.75 ... 1.5 mm²</p> <p>0.75 ... 1.5 mm²</p>

- finely stranded without core end processing

0.75 ... 1.5 mm²

Installation/ mounting/ dimensions

Mounting type	snap-on mounting
Height	71 mm
Width	15.5 mm
Depth	98 mm
Required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — downwards 0 mm — at the side 0 mm • for grounded parts <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — at the side 0 mm — downwards 0 mm • for live parts <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — downwards 0 mm — at the side 0 mm 	

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation -40 ... +70 °C • during storage -20 ... +70 °C • during transport -20 ... +70 °C 	

Certificates/approvals

General Product Approval	Declaration of Conformity	other
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[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:RT4D4T30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT4D4T30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4D4T30>

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:RT4D4T30&lang=en

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