

Plug-in relay complete unit 1 W, 115 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
Percental drop-out voltage related to the input voltage	15 %
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	10 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	600 000
Thermal current	16 A
Reference code acc. to DIN EN 81346-2	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 	<p>115 V</p> <p>115 V</p>
Control supply voltage frequency <ul style="list-style-type: none"> • 1 rated value • 2 rated value 	<p>50 Hz</p> <p>60 Hz</p>
Supply voltage frequency for auxiliary and control current circuit rated value	<p>50 ... 60 Hz</p>
Operating range factor control supply voltage rated value at AC at 50 Hz <ul style="list-style-type: none"> • initial value • Full-scale value 	<p>0.9</p> <p>1.1</p>
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	<p>poled</p>
Product component Plug-in socket	<p>Yes</p>
Design of the snap-on socket base	<p>Socket with logic isolation</p>

Short-circuit protection

Design of the fuse link <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	<p>fuse gG: 10 A</p>
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Auxiliary circuit

Type of switching contact	<p>Changeover contact</p>
Material of switching contacts	<p>AgNi 90/10</p>
Number of NC contacts for auxiliary contacts	<p>0</p>
Number of NO contacts for auxiliary contacts	<p>0</p>
Number of CO contacts <ul style="list-style-type: none"> • for auxiliary contacts 	<p>1</p>

Main circuit

Type of voltage	<p>AC</p>
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Display

Display version <ul style="list-style-type: none"> • as status display by LED 	<p>LED red</p>
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Connections/ Terminals

Product function <ul style="list-style-type: none"> • removable terminal 	<p>No</p>
Type of electrical connection	<p>spring-loaded terminals</p>
Type of connectable conductor cross-sections <ul style="list-style-type: none"> • solid • finely stranded with core end processing 	<p>1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5</p> <p>1x (0,75 ... 1,5), 2x 0,75</p>

<ul style="list-style-type: none"> • finely stranded without core end processing • at AWG conductors solid • at AWG conductors stranded 	<p>1x (0,75 ... 1,5), 2x (0,75 ... 1,0), 2x 1,5</p> <p>1x (18 ... 16), 2x (18 ... 16)</p> <p>1x (18 ... 16), 2x (18 ... 16)</p>
Connectable conductor cross-section <ul style="list-style-type: none"> • solid • finely stranded with core end processing • finely stranded without core end processing 	<p>0.75 ... 1.5 mm²</p> <p>0.75 ... 1.5 mm²</p> <p>0.75 ... 1.5 mm²</p>
AWG number as coded connectable conductor cross section <ul style="list-style-type: none"> • solid • stranded 	<p>18 ... 16</p> <p>18 ... 16</p>

Installation/ mounting/ dimensions	
Mounting position	any
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 — Backwards — upwards — downwards — at the side • for grounded parts <ul style="list-style-type: none"> — forwards — Backwards — upwards — at the side — downwards • for live parts <ul style="list-style-type: none"> — forwards — Backwards — upwards — downwards — at the side 	<p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p>

Certificates/ approvals

General Product Approval	Declaration of Conformity	other
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[Miscellaneous](#)

[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?mfb=LZS:RT3D4S15>

Cax online generator

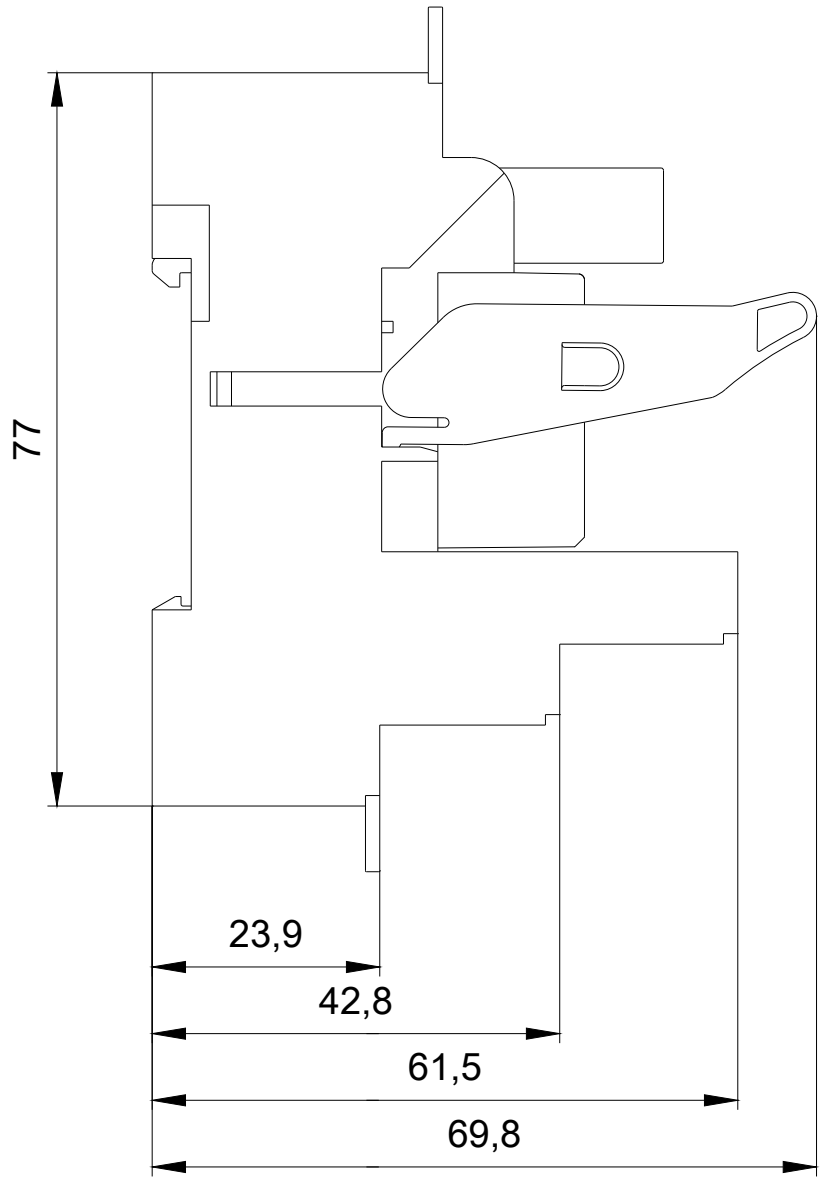
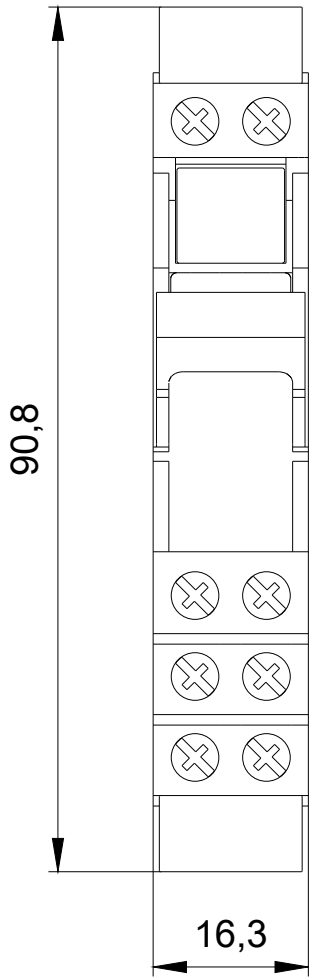
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=LZS:RT3D4S15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3D4S15>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=LZS:RT3D4S15&lang=en



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