

Plug-in relay complete unit 3 W, 24 V AC 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
Percental drop-out voltage related to the input voltage	30 %
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	20 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	180 000
Thermal current	10 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>24 V</p> <p>24 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>Standard socket</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: 6 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>3</p>
Operating current of auxiliary contacts at AC-15 <ul style="list-style-type: none"> • at 250 V 	<p>2 A</p>
Operating current at DC-13 <ul style="list-style-type: none"> • at 24 V rated value 	<p>4 A</p>
Operating current of auxiliary contacts at DC-13 <ul style="list-style-type: none"> • at 24 V 	<p>4 A</p>

Main circuit

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

Ampacity of the output relay at DC-13 <ul style="list-style-type: none"> • at 24 V 	<p>4 A</p>
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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	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
 VDE	 EAC	 EG-Konf.
	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?mlfb=LZS:PT3A5R24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:PT3A5R24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:PT3A5R24>

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:PT3A5R24&lang=en

last modified:

04/02/2020