



Plug-in relay complete unit 1 W, 24 V AC LED module red Socket with logic isolation screw terminal

product brand name	SIRIUS
product designation	Coupling relay with plug-in relay
product type designation	LZS
<b>General technical data</b>	
display version LED	Yes
percental drop-out voltage related to the input voltage	15 %
protection class IP	IP20
operating frequency without load	36 000 1/h
operating frequency with load	360 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	10 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	70 000
thermal current	16 A
reference code according to IEC 81346-2	K
Substance Prohibitation (Date)	05/01/2012
<b>Control circuit/ Control</b>	
control supply voltage at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
supply voltage frequency for auxiliary and control circuit rated value	50 ... 60 Hz
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.9
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.9
• full-scale value	1.1
design of the relay operating mechanism	poled
product component plug-in socket	Yes
design of the snap-on socket base	Socket with logic isolation
<b>Short-circuit protection</b>	
design of the fuse link for short-circuit protection of the	fuse gG: 10 A

auxiliary switch required		
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	1	
Main circuit		
type of voltage	AC	
Display		
display version as status display by LED	LED red	
Connections/ Terminals		
product function removable terminal	No	
type of electrical connection	screw-type terminals	
type of connectable conductor cross-sections <ul style="list-style-type: none"><li>solid</li><li>finely stranded with core end processing</li><li>at AWG cables solid</li></ul>	1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5 1x (1.0 ... 1.5), 2x 1.0, 2x 1.5 1x (18 ... 14), 2x 18, 2x 16, 2x 14	
connectable conductor cross-section <ul style="list-style-type: none"><li>solid</li><li>finely stranded with core end processing</li></ul>	1 ... 2.5 mm² 1 ... 1.5 mm²	
AWG number as coded connectable conductor cross section <ul style="list-style-type: none"><li>solid</li></ul>	18 ... 14	
tightening torque with screw-type terminals	0.5 ... 0.7 N·m	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	snap-on mounting	
height	77 mm	
width	15.5 mm	
depth	71 mm	
Ambient conditions		
ambient temperature <ul style="list-style-type: none"><li>during operation</li><li>during storage</li><li>during transport</li></ul>	-40 ... +70 °C -20 ... +70 °C -20 ... +70 °C	
Certificates/ approvals		
General Product Approval	Declaration of Conformity	other

[Confirmation](#)



[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:RT3B4R24>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=LZS:RT3B4R24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3B4R24>

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:RT3B4R24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=LZS:RT3B4R24&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT3B4R24/manual>



