

**RIDERSERIES RCL  
RCL424524**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image**



Similar to illustration

Standard relay within the RIDERSERIES RCL

- 2 CO contacts
- optionally: AC or DC coils

**General ordering data**

Type	RCL424524
Order No.	<a href="#">4058600000</a>
Version	RIDERSERIES RCL, Relay, No. of contacts: 2 CO contact AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248189335
Qty.	20 Stück

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## Technische Daten

### Dimensions and weights

Width	12,7 mm	Width (inches)	0,5 inch
Height	29 mm	Height (inches)	1,142 inch
Depth	15,7 mm	Depth (inches)	0,618 inch
Net weight	12,576 g		

### Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Rated data UL

Certificate No. (cURus)	E224238
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### Input

Rated control voltage	24 V AC	Rated current AC	31.6 mA
Power rating	0.75 VA	Pull-in/drop-out voltage, typ.	18 V / 3.6 V AC
Coil resistance	350 Ω ± 10 %		

### Output

Rated switching voltage	250 V AC	Continuous current	8 A
Inrush current	15 A / 4 s	AC switching capacity (resistive), max.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 6 ms	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Max. switching frequency at rated load	0,1 Hz		

### Contact data

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	5 x 10 <sup>6</sup> switching cycles
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### General data

Test button	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

### Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength, Input/Output	5 kV <sub>eff</sub> / 1 min
Creepage and clearance distance input - output	≥ 10 mm	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min		

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## Technische Daten

### Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (cURus)	E224238		

### Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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### Classifications

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

### Approvals

Approvals



ROHS Conform

### Downloads

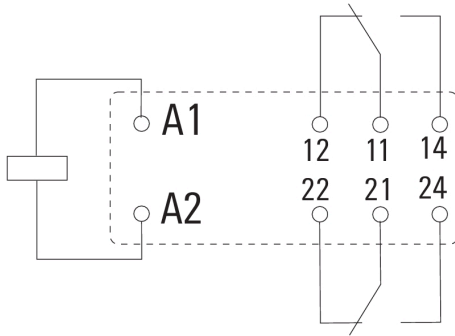
Engineering Data [WSCAD](#)

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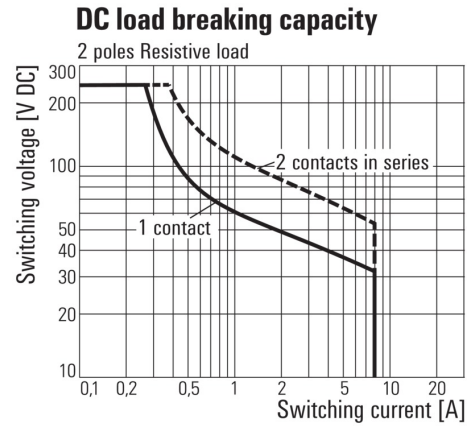
**Zeichnungen**

**Wiring diagram**



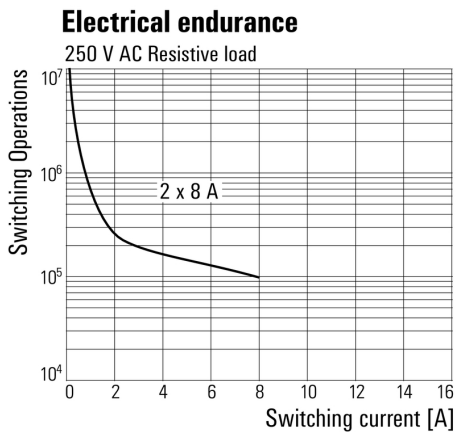
View of Pins from below

**Graph**

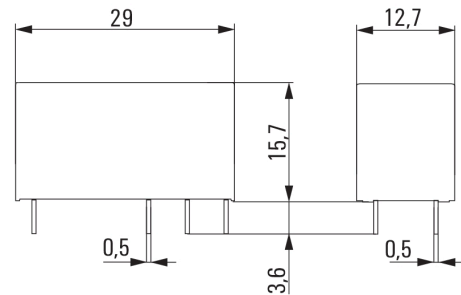


DC load limit curve  
Resistive load

**Graph**



Electrical service life  
250 V AC resistive load



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## Zeichnungen

### Miscellaneous



Type codes