

**RCL424548****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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info@weidmueller.com

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**Product image**

Similar to illustration

**General ordering data**

Version	RIDERSERIES RCL, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 48 V AC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8693340000</a>
Type	RCL424548
GTIN (EAN)	4032248364787
Qty.	20 Stück

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## Technische Daten

### Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	14.4 g		

### Temperatures

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

### Rated data UL

Certificate No. (cURus)	E522350
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### Control side

Rated control voltage	48 V AC	Rated current AC	15.6 mA
Power rating	0.75 VA	Pull-in/drop-out voltage, typ.	64 V / 7.2 V AC
Coil resistance	1420 Ω ± 10 %	Coil tolerance	10 %
Status indicator	No		

### Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	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
Contact type	2 CO contact (AgNi)	Mechanical service life	5 x 10 <sup>6</sup> switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		

### General data

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

### Insulation coordination

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

### Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40020589	Certificate No. (cURus)	E522350

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## Technische Daten

### Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00
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### Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ECLASS 9.0	27-37-16-01
ECLASS 9.1	27-37-16-01	ECLASS 10.0	27-37-16-01
ECLASS 11.0	27-37-16-01	ECLASS 12.0	27-37-16-01

### Approvals

Approvals



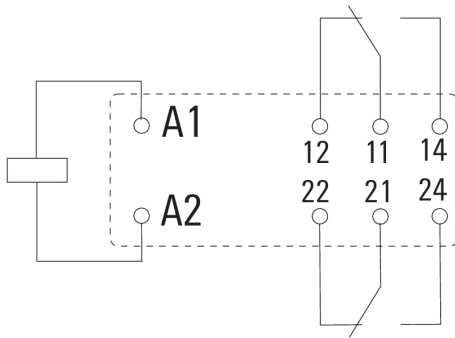
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

### Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

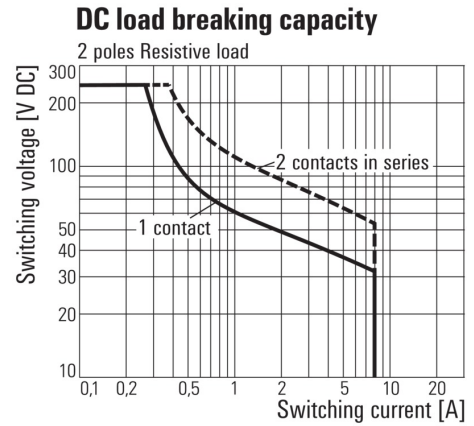
**Zeichnungen**

**Wiring diagram**



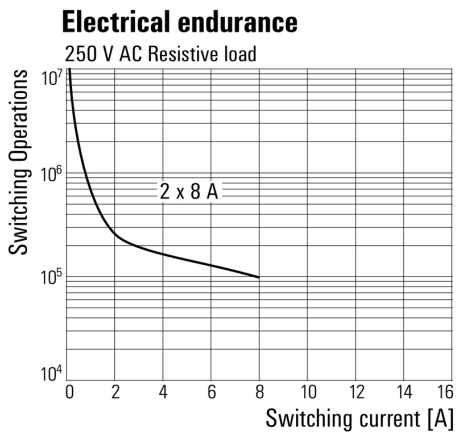
View of Pins from below

**Graph**

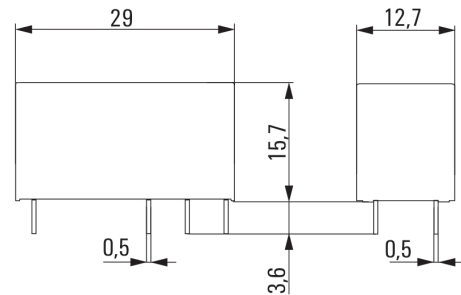


DC load limit curve  
Resistive load

**Graph**



Electrical service life  
250 V AC resistive load



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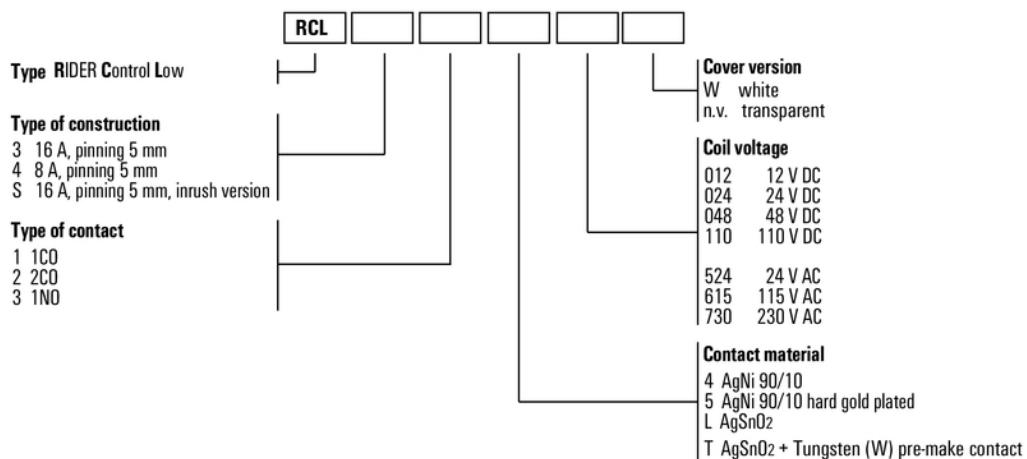
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## Zeichnungen

## Miscellaneous



Type codes

Erstellungs-Datum June 1, 2023 11:59:27 AM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten