

## RCL314024W

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

### Product image



Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

### General ordering data

Version	TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	<a href="#">1984040000</a>
Type	RCL314024W
GTIN (EAN)	4050118369366
Qty.	20 Stück

Erstellungs-Datum May 31, 2022 4:06:10 PM CEST

Katalogstand 20.05.2022 / Technische Änderungen vorbehalten

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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 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
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### Environmental Product Compliance

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

Certificate No. (cURus)	E302101
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### Control side

Rated control voltage	24 V DC	Rated current DC	17.3 mA
Power rating	420 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 Ω ± 10 %	Coil tolerance	10 %

### Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	30 A / 4 s
AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 4 ms
Contact type	1 CO contact (AgNi)	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	white		

### Insulation coordination

Rated voltage	400 V	Pollution severity	3
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 10 mm
Dielectric strength for control side - load side	1.2 kV <sub>eff</sub> / 5 s	Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min
Protection degree	IP20		

### Further details of approvals / standards

Certificate No. (cURus)	E302101
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### Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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**Technische Daten****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	E302101

**Downloads**

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

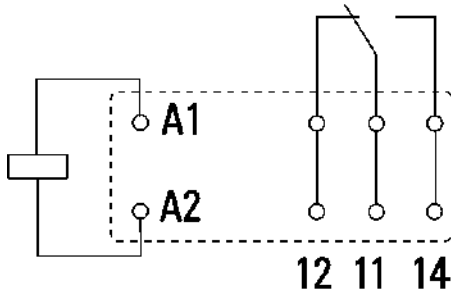
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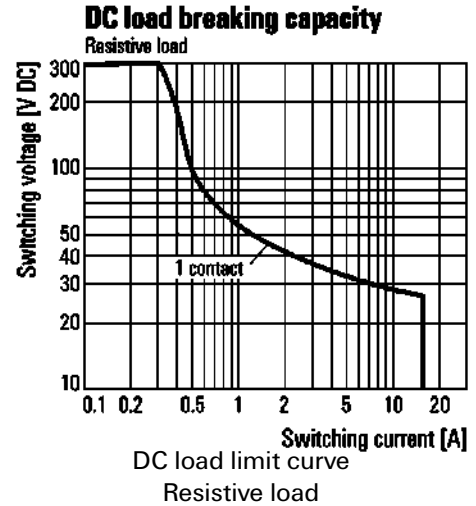
**Zeichnungen**

**Wiring diagram**

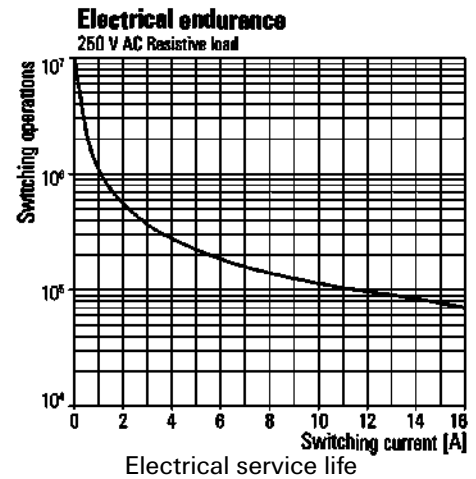


View of Pins from below

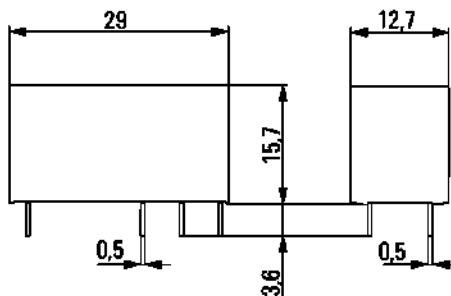
**Graph**



**Graph**



**Dimensional drawing**



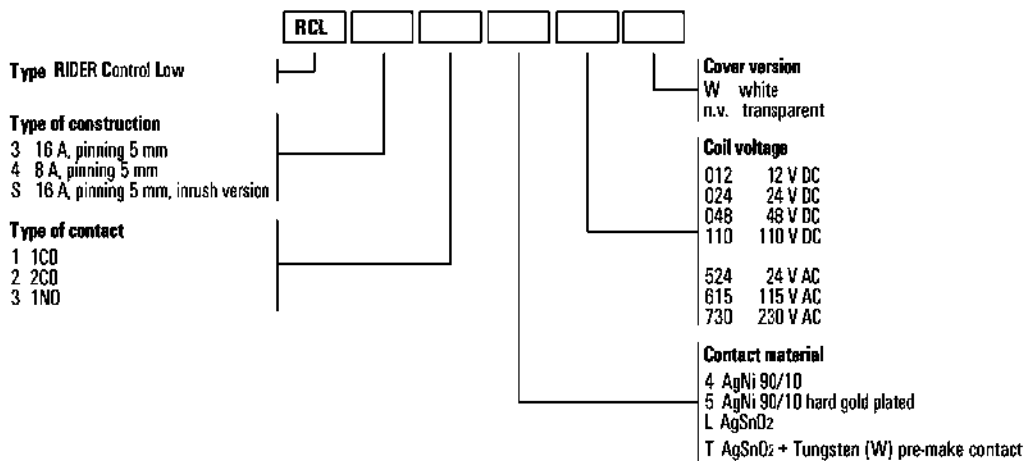
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## Zeichnungen

## Miscellaneous



Type codes