

**RCLS3T024W****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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**Product image**

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

**General ordering data**

Version	TERMSERIES, Relay, Number of contacts: 1, NO contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8866920000</a>
Type	RCLS3T024W
GTIN (EAN)	4032248606528
Qty.	20 pc(s).

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## Technical data

## 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	15.15 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

## Rated data UL

Certificate No. (cURus)	E224238
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## Control side

Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC

## Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	165 A / 20 ms, 800 A / 200 µs
AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 6 ms
Contact type	1 NO contact (AgSnO)	Mechanical service life	10 x 10 <sup>6</sup> (RCLS3L), 5 x 10 <sup>6</sup> (RCLS3T)
Min. switching power	1 W		

## General data

Test button available	No	Mechanical switch position indicator	No
Colour	white	UL 94 flammability rating	V-0

## Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	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	UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40020589	Certificate No. (cURus)	E224238

## Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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**Technical data****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)	E224238

**Downloads**

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

## RCLS3T024W

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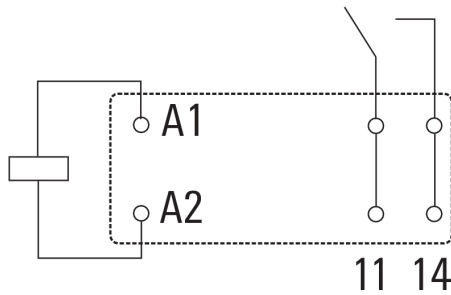
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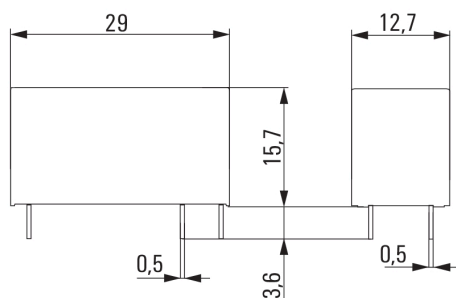
## Drawings

### Wiring diagram

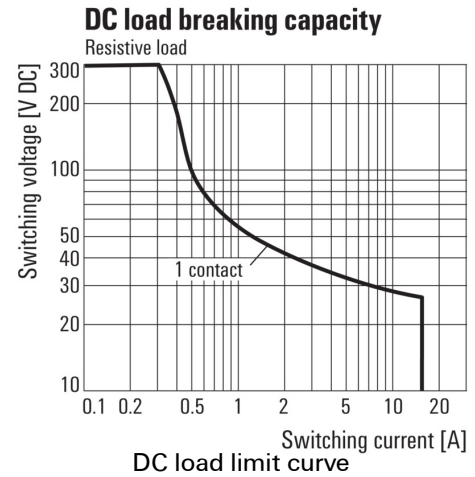


View of Pins from below

### Dimensional drawing



### Graph



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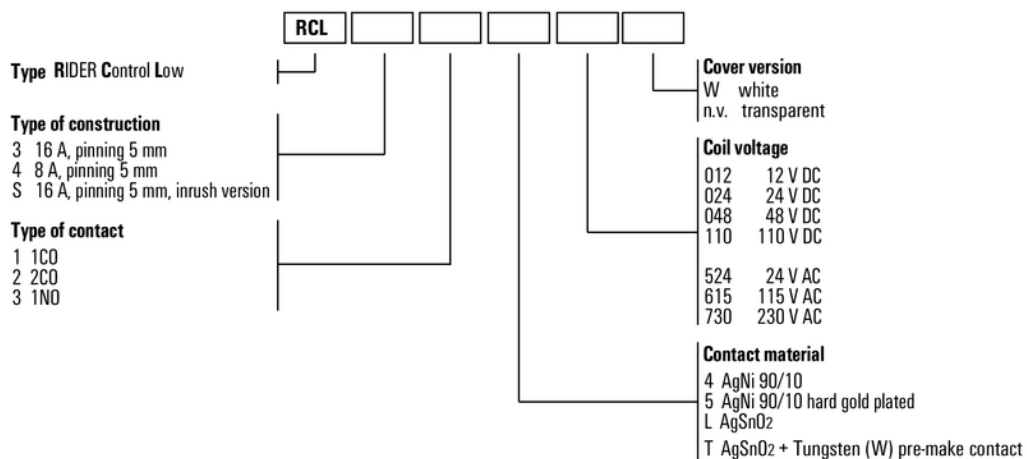
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## Drawings

## Miscellaneous



Type codes