

**TERMSERIES**  
**RCLS3T024W**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Product image**


TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

**General ordering data**

Type	RCLS3T024W
Order No.	<a href="#">8866920000</a>
Version	TERMSERIES, Relay, Number of contacts: 1 NO contact AgSnO <sub>2</sub> + W, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248606528
Qty.	20 pc(s).

Creation date May 1, 2020 6:14:39 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****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	15.6 g		

**Temperatures**

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

**Rated data UL**

Certificate No. (cURus)	E224238
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**Input**

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

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	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
Min. switching power	1 W	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	1 NO contact (AgSnO <sub>2</sub> + W)	Mechanical service life	10 x 10 <sup>6</sup> (RCLS3L), 5 x 10 <sup>6</sup> (RCLS3T)
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**General data**

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

**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 open contact	1 kV <sub>eff</sub> / 1 min

**Further details of approvals / standards**

Standards	UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (cURus)	E224238		

**Data sheet**

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**Technical data**

**Connection data**

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

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

**Approvals**

Approvals



ROHS Conform

**Downloads**

Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>

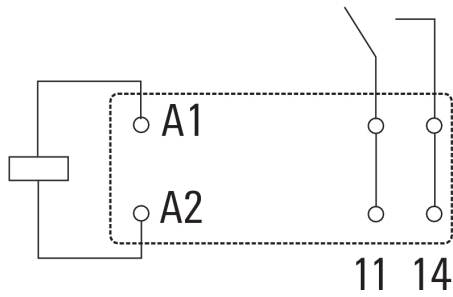
**Data sheet**

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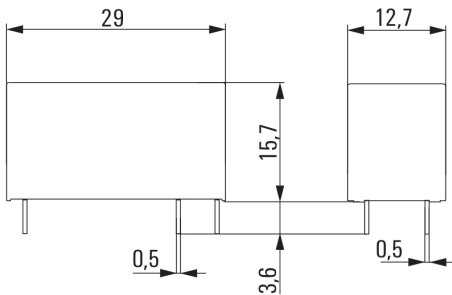
**Drawings**

**Wiring diagram**

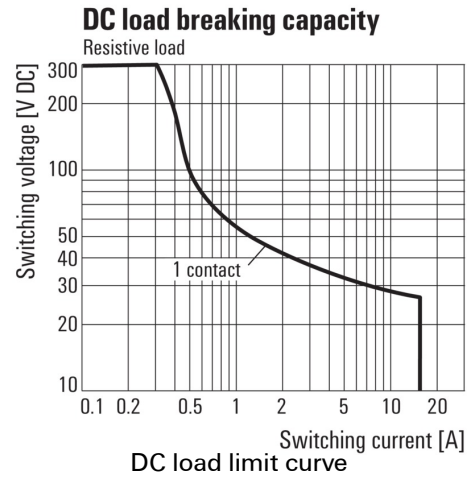


View of Pins from below

**Dimensional drawing**



**Graph**



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### Mating connector (fully pluggable)

#### PUSH IN connection



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#### General ordering data

Type	TOP 24VDC EMPTY	Version
Order No.	<a href="#">2618740000</a>	TERMSERIES, Relay bases, 1 NO contact (), Rated control voltage: 24
GTIN (EAN)	4050118670097	V DC ±20 % , Rated switching voltage: 250 V AC, Continuous current:
Qty.	10 pc(s).	16 A, PUSH IN with actuator

#### Tension clamp connection



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#### General ordering data

Type	TOZ 24VDC EMPTY	Version
Order No.	<a href="#">1127740000</a>	TERMSERIES, Relay bases, Rated control voltage: 24 V DC ±20
GTIN (EAN)	4032248909421	% , Rated switching voltage: 250 V AC, Continuous current: 16 A,
Qty.	10 pc(s).	Tension-clamp connection
Type	TOZ 24-230VUC EMPTY	Version
Order No.	<a href="#">1127750000</a>	TERMSERIES, Relay bases, Rated control voltage: 24...230 V UC ±10
GTIN (EAN)	4032248909223	% , Rated switching voltage: 250 V AC, Continuous current: 16 A,
Qty.	10 pc(s).	Tension-clamp connection

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**Mating connector (fully pluggable)**

**Screw connection**



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**General ordering data**

Type	TOS 24-230VUC EMPTY	Version
Order No.	<a href="#">1127730000</a>	TERMSERIES, Relay bases, 1 NO contact (), Rated control voltage: 24...
GTIN (EAN)	4032248909254	230 V UC ±10 % , Rated switching voltage: 250 V AC, Continuous
Qty.	10 pc(s).	current: 16 A, Screw connection
Type	TOS 24VDC EMPTY	Version
Order No.	<a href="#">1127720000</a>	TERMSERIES, Relay bases, 1 NO contact (), Rated control voltage: 24
GTIN (EAN)	4032248909377	V DC ±20 % , Rated switching voltage: 250 V AC, Continuous current:
Qty.	10 pc(s).	16 A, Screw connection

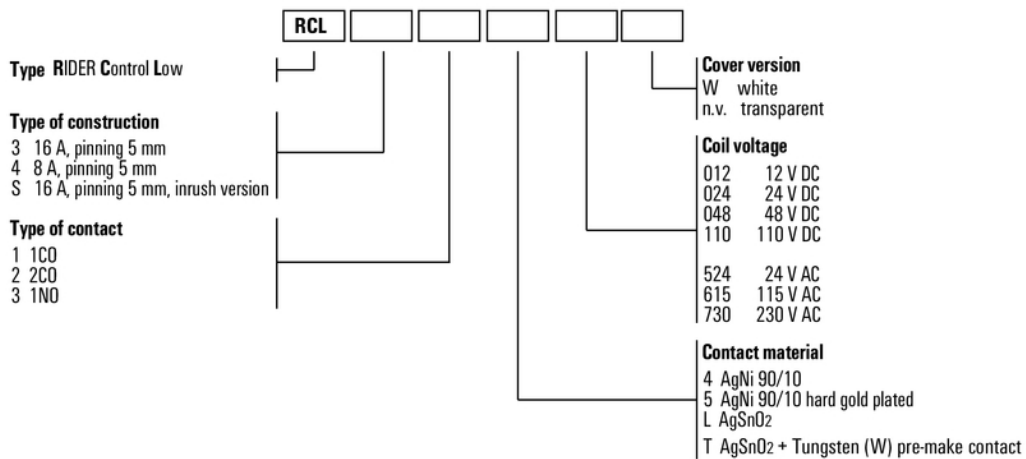
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**Drawings**

**Miscellaneous**



Type codes