

**TERMSERIES
RCL425024**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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www.weidmueller.com

Product image

Similar to illustration

TERMSERIES accessories include:

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

General ordering data

Type	RCL425024
Order No.	4058580000
Version	TERMSERIES, Relay, Number of contacts: 2 CO contact AgNi 5µm Au, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248269129
Qty.	20 pc(s).

Creation date May 1, 2020 3:22:31 PM 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	0.6 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		

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
Coil resistance	1440 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 @ 1 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

Contact type	2 CO contact (AgNi 5µm Au)	Mechanical service life	30 x 10 ⁶ 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 _{eff} / 1 min
Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1 kV _{eff} / 1 min		

Further details of approvals / standards

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

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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

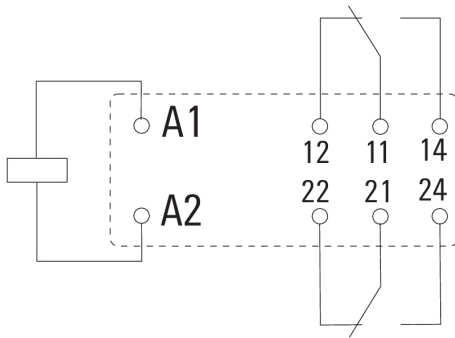
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	WSCAD
Engineering Data	STEP

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Drawings

Wiring diagram



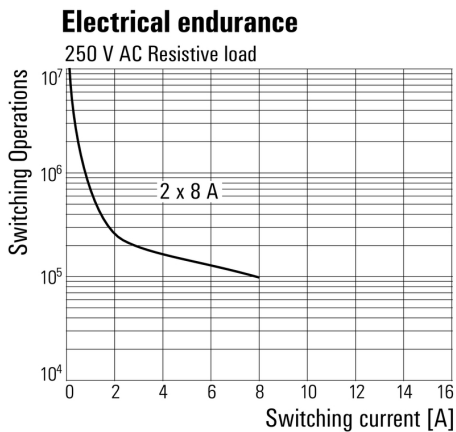
View of Pins from below

Graph

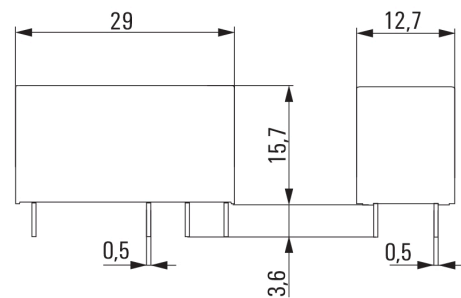


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load



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Mating connector (fully pluggable)

PUSH IN connection



TERMSERIES accessories include:

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- Base
- Partition plates
- Cross-connections
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General ordering data

Type	TRP 24VDC 2CO EMPTY	Version
Order No.	2680970000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 10 A, PUSH IN with actuator
GTIN (EAN)	4050118695175	
Qty.	10 pc(s).	
Type	TRP 24VUC 2CO EMPTY	Version
Order No.	2680980000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator
GTIN (EAN)	4050118695182	
Qty.	10 pc(s).	

Screw connection



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General ordering data

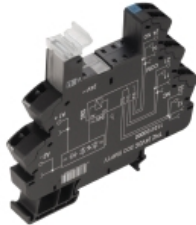
Type	TRS 24VUC 2CO EMPTY	Version
Order No.	1123990000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection
GTIN (EAN)	4032248905805	
Qty.	10 pc(s).	
Type	TRS 24-230VUC 2CO EMPTY	Version
Order No.	1124070000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24...230 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection
GTIN (EAN)	4032248906024	
Qty.	10 pc(s).	
Type	TRS 24VDC 2CO EMPTY	Version
Order No.	1123980000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 10 A, Screw connection
GTIN (EAN)	4032248905997	
Qty.	10 pc(s).	

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Mating connector (fully pluggable)

Tension clamp connection



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General ordering data

Type	TRZ 24VDC 2CO EMPTY	Version
Order No.	1124100000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 10 A, Tension-clamp connection
GTIN (EAN)	4032248906048	
Qty.	10 pc(s).	
Type	TRZ 24VUC 2CO EMPTY	Version
Order No.	1124110000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
GTIN (EAN)	4032248906031	
Qty.	10 pc(s).	
Type	TRZ 24-230VUC 2CO EMPTY	Version
Order No.	1124190000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 24...230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
GTIN (EAN)	4032248905782	
Qty.	10 pc(s).	

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Accessories

PUSH IN connection



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Qty.	10 pc(s).	

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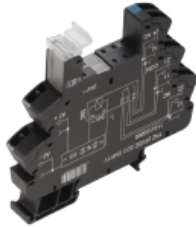
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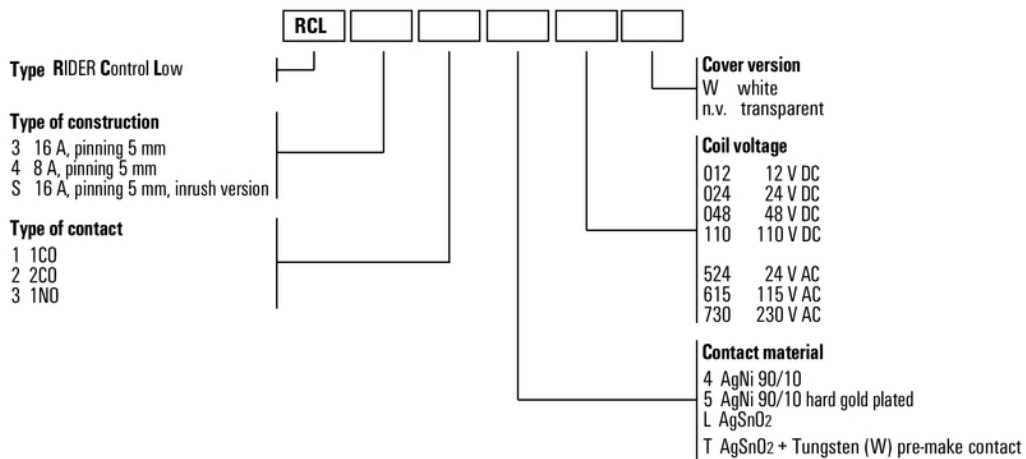
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Drawings

Miscellaneous



Type codes