

RCL424024**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	4058570000
Type	RCL424024
GTIN (EAN)	4032248189298
Qty.	20 pc(s).

Creation date March 26, 2022 2:35:23 AM CET

Catalogue status 11.03.2022 / We reserve the right to make technical changes.

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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	12.577 g		

Temperatures

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

Probability of failure

B10	80.000 AC15: 250Vac/2.5A
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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
Coil resistance	1440 Ω ± 10 %		

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
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	30 x 10 ⁶ switching cycles		

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
Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1 kV _{eff} / 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)	E224238

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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
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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E224238

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format
Brochures	

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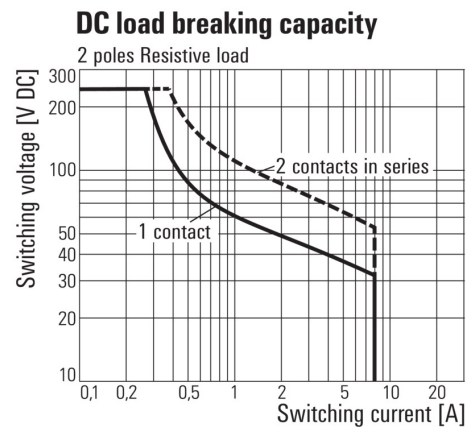
Drawings

Wiring diagram



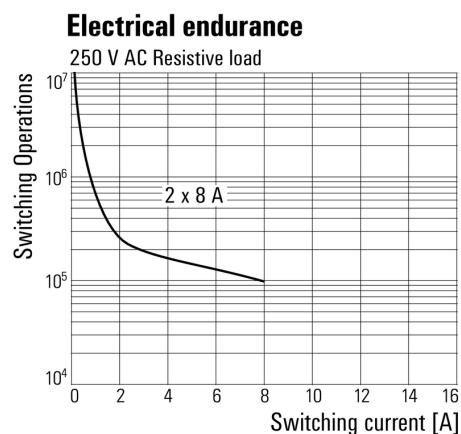
View of Pins from below

Graph

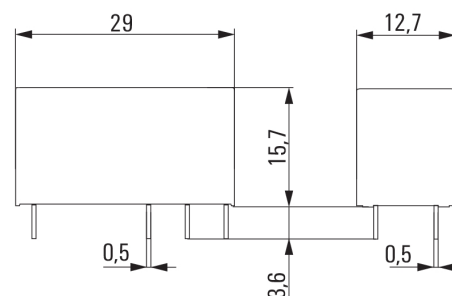


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load



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Accessories

PUSH IN connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TRP 24-230VUC 2CO EMPTY ...	Version
Order No.	2663060000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118698015	control voltage: 24...230 V UC $\pm 10\%$, Continuous current: 10 A,
Qty.	10 pc(s).	PUSH IN
Type	TRP 24VDC 2CO EMPTY	Version
Order No.	2680970000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695175	control voltage: 24 V DC $\pm 20\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 24VUC 2CO EMPTY	Version
Order No.	2680980000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695182	control voltage: 24 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	

Screw connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

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

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Accessories

Tension clamp connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

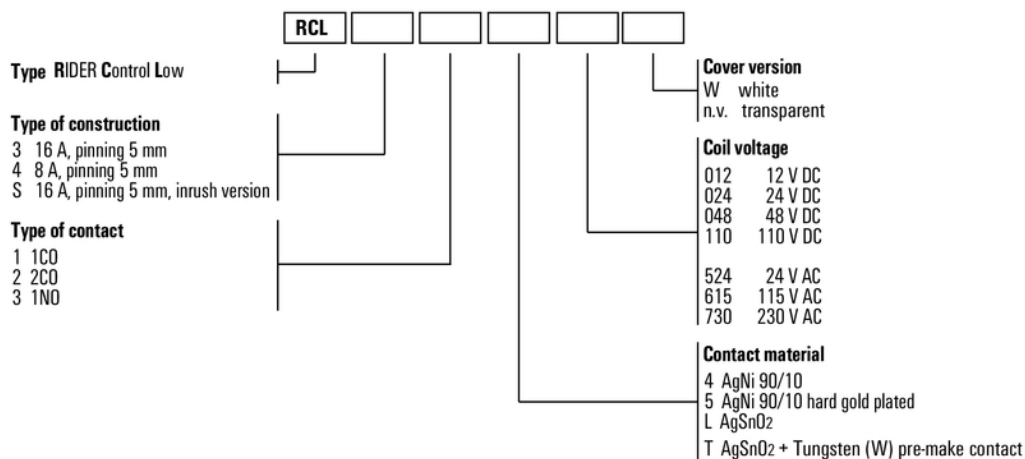
Type	TRZ 24VUC 2CO EMPTY	Version
Order No.	1124110000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906031	control voltage: 24 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
Qty.	10 pc(s).	
Type	TRZ 24-230VUC 2CO EMPTY	Version
Order No.	1124190000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

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Type codes

Mouser Electronics

Authorized Distributor

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[4058570000](#)