

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 ST

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E522350

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.6181 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	12.58 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E522350
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Control side

Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Coil resistance	1440 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	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
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	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa

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Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load 5 kVeff / 1min side	
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1 kVeff / 1 min
Protection degree	IP20		

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40020589
Certificate No. (cURus)	E522350		

Connection data

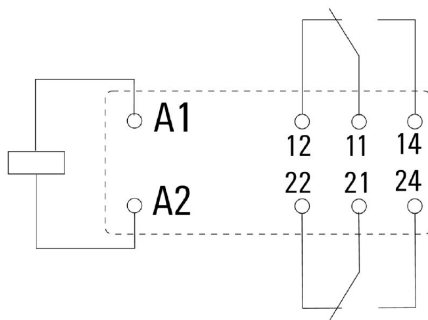
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	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
ECLASS 13.0	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

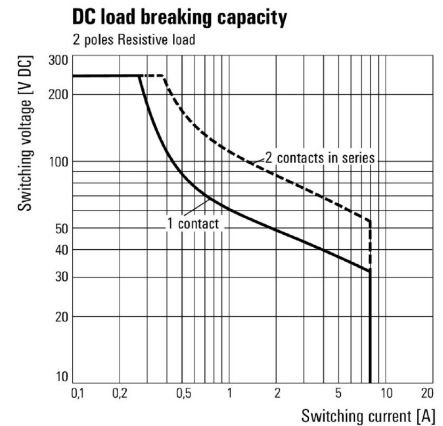
Drawings

Wiring diagram



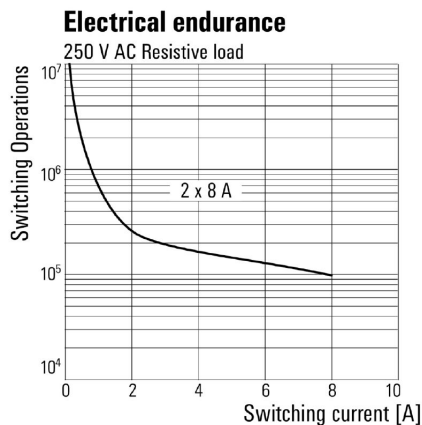
View of Pins from below

Graph

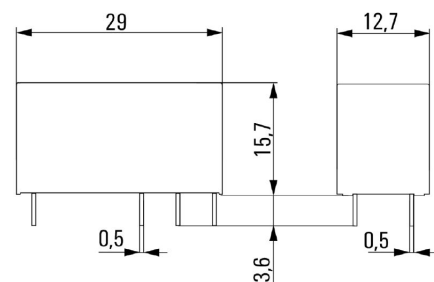


DC load limit curve Resistive load

Graph



Electrical service life 250 V AC resistive load

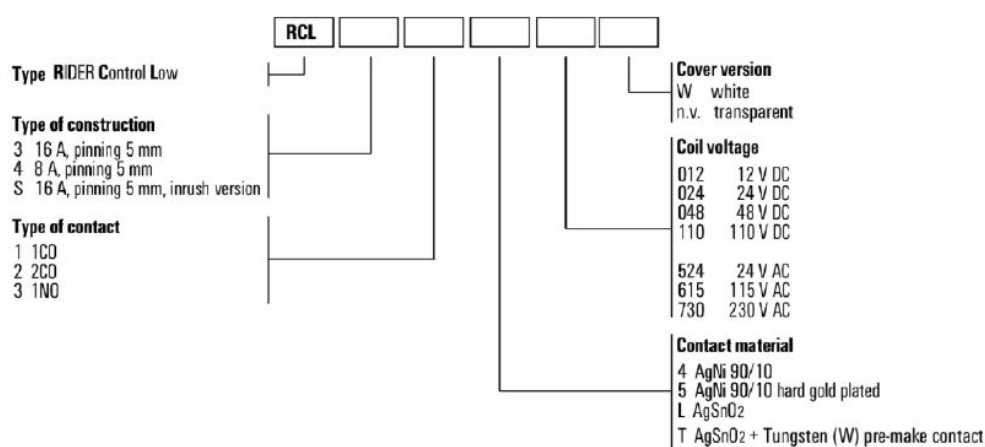


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Type codes

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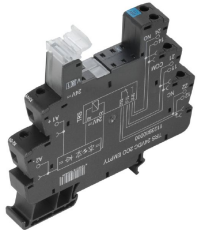
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Accessories

Screw connection



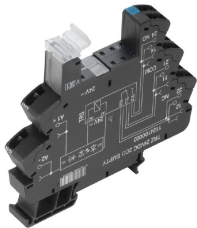
TERMSERIES empty sockets with:

- 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 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 ST	connection

Tension clamp connection



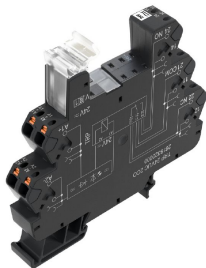
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General ordering data

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-
Qty.	10 ST	clamp connection

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 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 ST	

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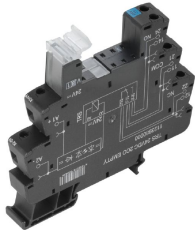
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Accessories

Screw connection



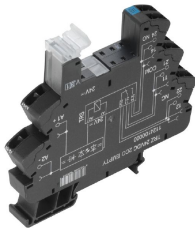
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- Partition plates for optical separation and reinforcement of insulation

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 ST	connection

Tension clamp connection



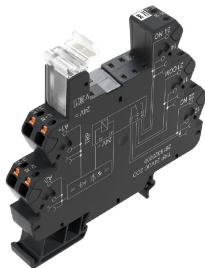
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- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- 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-
Qty.	10 ST	clamp connection

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 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 ST	

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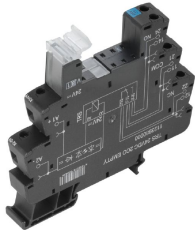
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Accessories

Screw connection



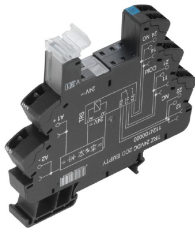
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- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
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- Partition plates for optical separation and reinforcement of insulation

General ordering data

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 ST	Screw connection

Tension clamp connection



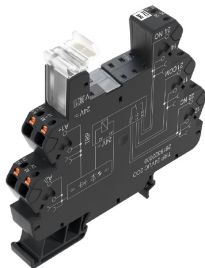
TERMSERIES empty sockets with:

- 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 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 ST	Tension-clamp connection

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 ST	PUSH IN

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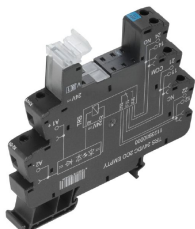
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Counterpart

Screw connection



TERMSERIES empty sockets with:

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- 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
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- Partition plates for optical separation and reinforcement of insulation

General ordering data

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 ± 20 %, Continuous current: 10 A, Screw
Qty.	10 ST	connection
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 ± 10 %, Continuous current: 10 A, Screw
Qty.	10 ST	connection

Tension clamp connection



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- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
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General ordering data

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 ± 20 %, Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection
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 ± 10 %, Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection

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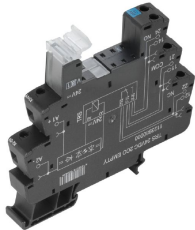
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Counterpart

Screw connection



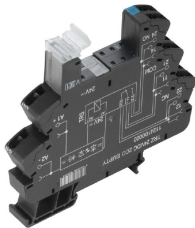
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General ordering data

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 ST	Screw connection

Tension clamp connection



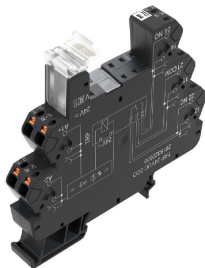
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General ordering data

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 ST	Tension-clamp connection

PUSH IN connection



TERMSERIES empty sockets with:

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- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
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General ordering data

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 ST	

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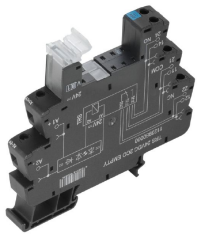
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Counterpart

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 ST	
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 ST	PUSH IN

Screw connection



TERMSERIES empty sockets with:

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General ordering data

Type	TRS 24-230VUC 2CO EMPTY...	Version
Order No.	2662900000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118698176	control voltage: 24...230 V UC $\pm 10\%$, Continuous current: 10 A,
Qty.	10 ST	Screw connection