

TERMSERIES
RCL425110

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

Similar to illustration

TERMSERIES accessories include:

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

General ordering data

Type	RCL425110
Order No.	8828370000
Version	TERMSERIES, Relay, Number of contacts: 2 CO contact AgNi 5µm Au, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248531530
Qty.	20 pc(s).

TERMSERIES
RCL425110

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

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	14.7 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
-------------------------	---------

Input

Rated control voltage	110 V DC	Rated current DC	4.1 mA
Power rating	420 mW	Pull-in/drop-out voltage, typ.	77 V / 11 V DC
Coil resistance	28800 Ω ± 12 %		

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
--------------	-------------------------------	-------------------------	---------------------------------------

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		

**TERMSERIES
RCL425110**

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

Technical data**Connection data**

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

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

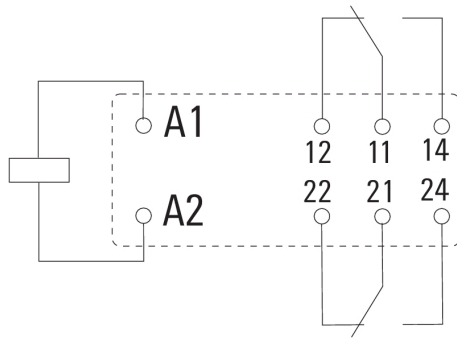
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

TERMSERIES RCL425110

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

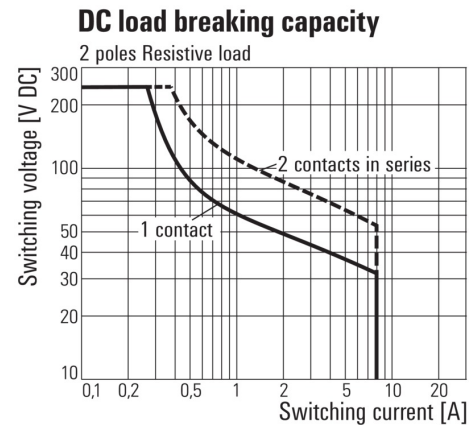
Drawings

Wiring diagram



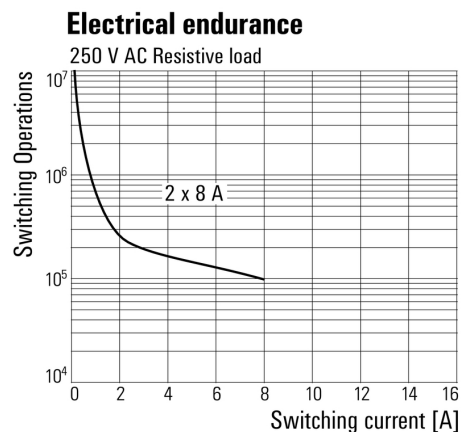
View of Pins from below

Graph

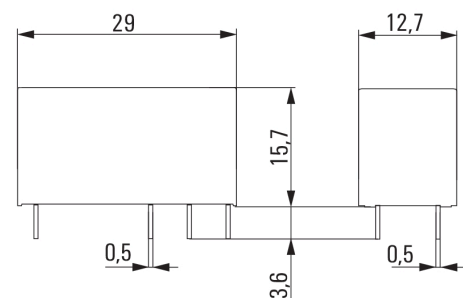


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load



TERMSERIES
RCL425110

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

Mating connector (fully pluggable)
Screw connection


TERMSERIES accessories include:

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

General ordering data

Type	TRS 120VAC RC 2CO EMPTY	Version
Order No.	1124040000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906178	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VUC 2CO EMPTY	Version
Order No.	1124030000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906222	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VAC RC 2CO EMPTY	Version
Order No.	1124050000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905874	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 120VUC 2CO EMPTY	Version
Order No.	1124020000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905812	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection

Tension clamp connection


TERMSERIES accessories include:

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

General ordering data

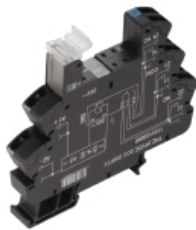
Type	TRZ 120VAC RC 2CO EMPTY	Version
Order No.	1124170000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905904	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 230VAC RC 2CO EMPTY	Version
Order No.	1124180000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906017	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

TERMSERIES
RCL425110

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

Mating connector (fully pluggable)

Type	TRZ 120VUC 2CO EMPTY	Version
Order No.	1124140000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905928	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 230VUC 2CO EMPTY	Version
Order No.	1124150000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905867	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

PUSH IN connection


TERMSERIES accessories include:

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

General ordering data

Type	TRP 120VAC RC 2CO EMPTY	Version
Order No.	2681030000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695434	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 230VUC 2CO EMPTY	Version
Order No.	2681020000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695427	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 230VAC RC 2CO EMPTY	Version
Order No.	2681190000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695441	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 120VUC 2CO EMPTY	Version
Order No.	2681010000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695410	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator

TERMSERIES
RCL425110

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

Accessories
Screw connection


TERMSERIES accessories include:

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

General ordering data

Type	TRS 120VAC RC 2CO EMPTY	Version
Order No.	1124040000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906178	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VUC 2CO EMPTY	Version
Order No.	1124030000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906222	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VAC RC 2CO EMPTY	Version
Order No.	1124050000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905874	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 120VUC 2CO EMPTY	Version
Order No.	1124020000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905812	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection

Tension clamp connection


TERMSERIES accessories include:

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

General ordering data

Type	TRZ 120VAC RC 2CO EMPTY	Version
Order No.	1124170000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905904	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 230VAC RC 2CO EMPTY	Version
Order No.	1124180000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248906017	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

TERMSERIES RCL425110

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

Accessories

Type	TRZ 120VUC 2CO EMPTY	Version
Order No.	1124140000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905928	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 230VUC 2CO EMPTY	Version
Order No.	1124150000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4032248905867	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

PUSH IN connection



TERMSERIES accessories include:

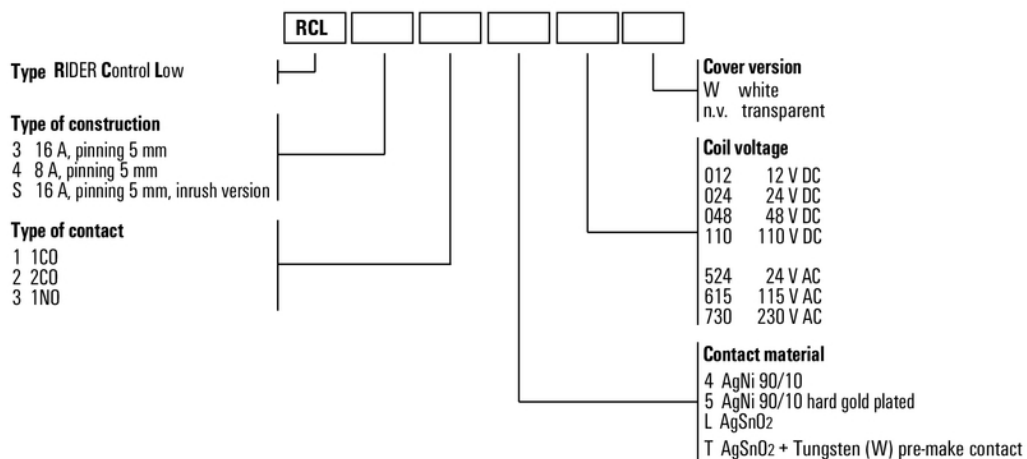
- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

Type	TRP 120VAC RC 2CO EMPTY	Version
Order No.	2681030000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695434	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 230VUC 2CO EMPTY	Version
Order No.	2681020000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695427	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 230VAC RC 2CO EMPTY	Version
Order No.	2681190000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695441	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator
Type	TRP 120VUC 2CO EMPTY	Version
Order No.	2681010000	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated
GTIN (EAN)	4050118695410	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	with actuator

TERMSERIES
RCL425110

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

Drawings
Miscellaneous


Type codes