

RCL425012**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi gold-plated, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	4074580000
Type	RCL425012
GTIN (EAN)	4032248604845
Qty.	20 pc(s).

Creation date January 30, 2022 3:45:23 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

RCL425012

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Rated data UL

Certificate No. (cURus)	E224238
-------------------------	---------

Control side

Rated control voltage	12 V DC	Rated current DC	33.3 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	8.4 V / 1.2 V DC
Coil resistance	360 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 @ 1 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 gold-plated)
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. (cURus)	E224238		

Creation date January 30, 2022 3:45:23 AM CET

RCL425012**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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
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	

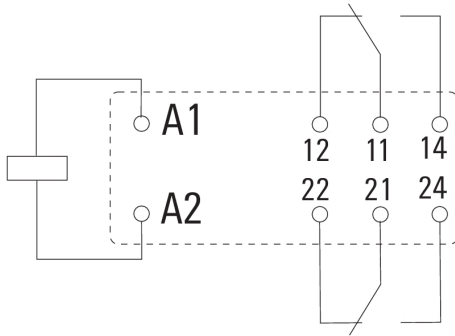
RCL425012

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

www.weidmueller.com

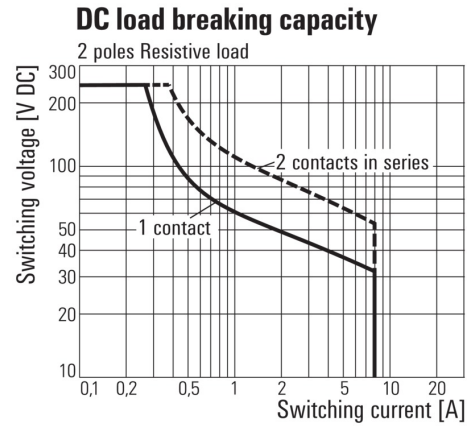
Drawings

Wiring diagram



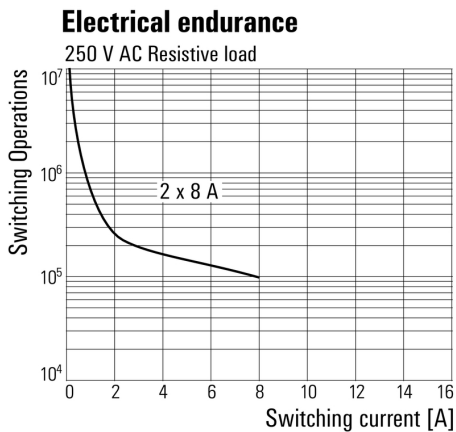
View of Pins from below

Graph

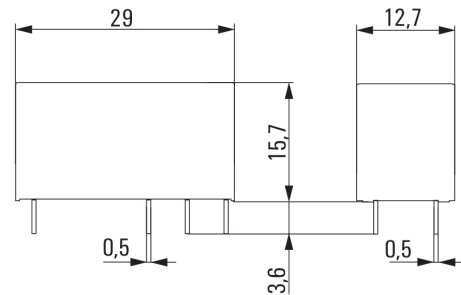


DC load limit curve
 Resistive load

Graph



Electrical service life
 250 V AC resistive load



RCL425012

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 12VDC 2CO EMPTY	Version
Order No.	2680960000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695168	control voltage: 12 V DC \pm 20 %, 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 12VDC 2CO EMPTY	Version
Order No.	1123970000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905591	control voltage: 12 V DC \pm 20 %, Continuous current: 10 A, Screw connection
Qty.	10 pc(s).	

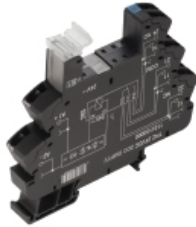
RCL425012

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

www.weidmueller.com

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 12VDC 2CO EMPTY	Version
Order No.	1124090000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906239	control voltage: 12 V DC ±20 %, Continuous current: 10 A, Tension-clamp connection
Qty.	10 pc(s).	

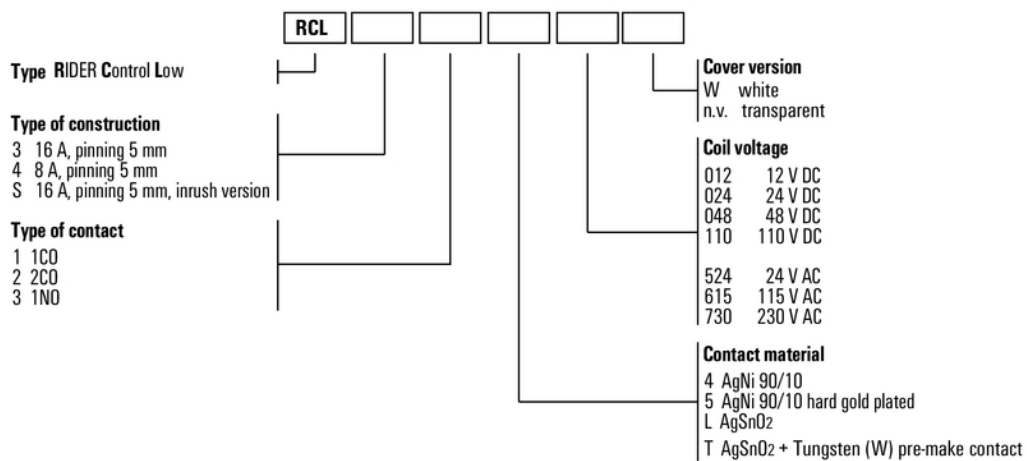
RCL425012

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

www.weidmueller.com

Drawings

Miscellaneous



Type codes

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[4074580000](#)