

RCL424048

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, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	4058750000
Type	RCL424048
GTIN (EAN)	4032248303212
Qty.	20 items

RCL424048

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature		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
-------------------------	---------

Control side

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	420 mW	Coil resistance	5520 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 106 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

Creation date 13.03.2026 09:14:23 MEZ

Catalogue status / Drawings

RCL424048

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

www.weidmueller.com

Technical data

Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	5 kVeff / 1min
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

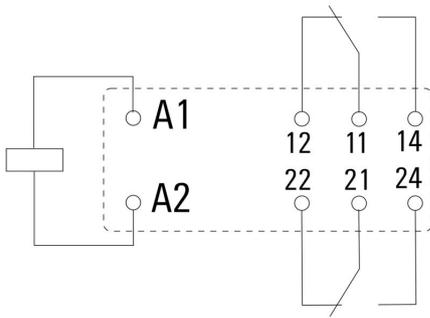
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
------------------------	--------------------	-----------------	---------

Classifications

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

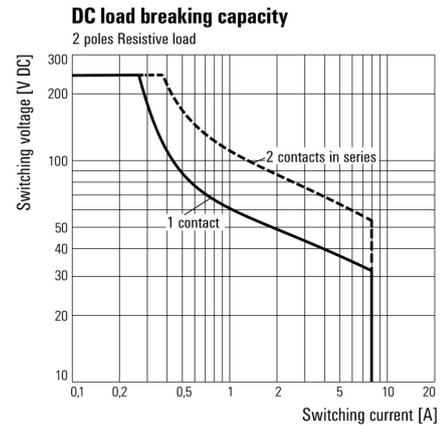
Drawings

Wiring diagram



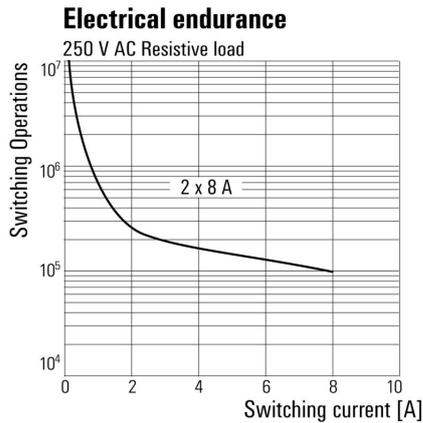
View of Pins from below

Graph

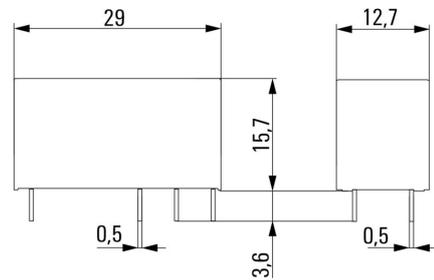


DC load limit curve Resistive load

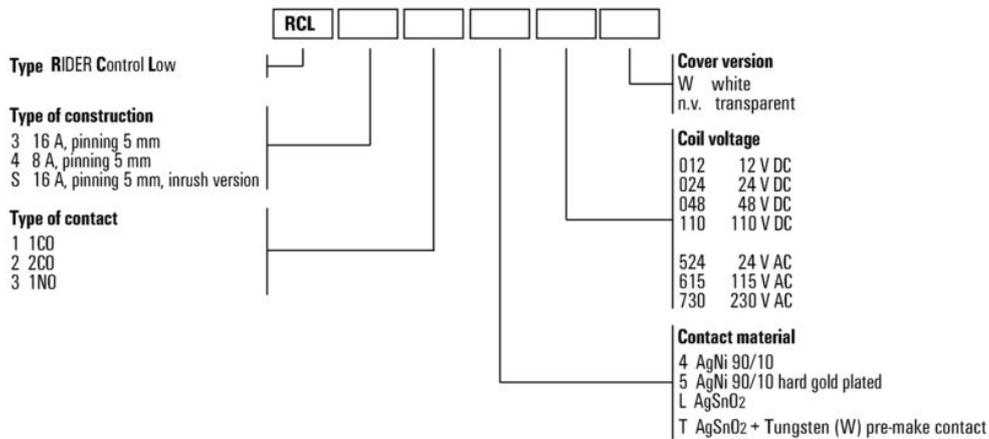
Graph



Electrical service life 250 V AC resistive load



Miscellaneous



Type codes

RCL424048

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 48VUC 2CO EMPTY	Version	
Order No.	1124000000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905850	control voltage: 48 V UC $\pm 10\%$, Continuous current: 10 A, Screw	
Qty.	10 ST	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 48VUC 2CO EMPTY	Version	
Order No.	1124120000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905607	control voltage: 48 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 48VUC 2CO EMPTY	Version	
Order No.	2680990000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4050118695199	control voltage: 48 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN	
Qty.	10 ST		

RCL424048

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

www.weidmueller.com

Counterpart

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 48VUC 2CO EMPTY	Version	
Order No.	1124000000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905850	control voltage: 48 V UC $\pm 10\%$, Continuous current: 10 A, Screw	
Qty.	10 ST	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 48VUC 2CO EMPTY	Version	
Order No.	1124120000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905607	control voltage: 48 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 48VUC 2CO EMPTY	Version	
Order No.	2680990000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4050118695199	control voltage: 48 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN	
Qty.	10 ST		