

**RIDERSERIES
RCL424005**

Weidmüller Interface GmbH & Co. KG
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www.weidmueller.com



Standard relays in the RIDERSERIES RCL

- 2 CO contacts
- Low height of 15.7 mm

General ordering data

Order No.	8693790000
Type	RCL424005
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 5 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248365258
Qty.	20 pc(s).

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Technical data
Ratings

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	13 g	UL 94 flammability rating	V-0

Dimensions and weights

Width	12.7 mm	Height	29 mm
Depth	15.7 mm	Weight	13 g
Net weight	14.65 g		

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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Input

Rated control voltage	5 V DC	Rated current DC	66.7 mA
Coil resistance	90 Ω ± 10 %	Power rating	400 mW
Pull-in (sparkover) / drop-out voltage DC coil	4.2 V / 0.6 V		

Output

Rated switching voltage	250 V AC	Continuous current	8 A
making current	15 A / 4 s	Max. switching power	2000 VA
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 6 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

Contact specifications

No. of contacts	2	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 5 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 10 mm
Dielectric strength for control side - load side	5 kV _{eff} / 1min	Protection degree	IP 20
Insulating material group	IIIa		

Other technical data

Version	Relay	Free-wheel diode	No
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Further details of approvals / standards

Standards	IEC 61810-1, UL508
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Technical data

Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals



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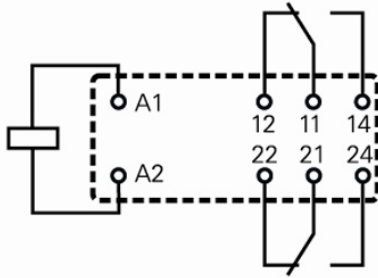
Drawings

Pinning

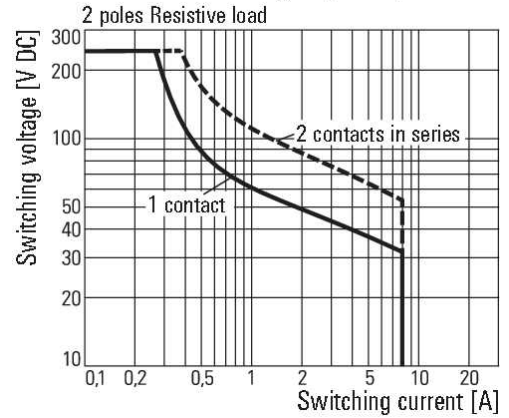
Circuit diagram

View on pins

2 C/O changeover contacts

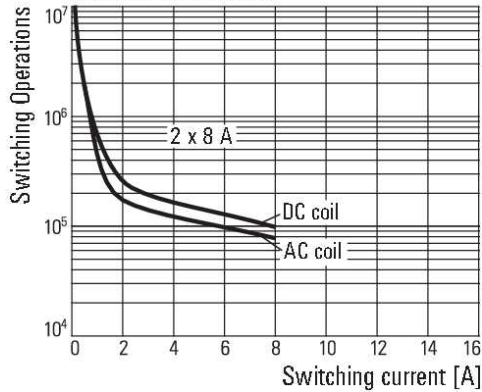


DC load breaking capacity



Electrical endurance

250 V AC Resistive load



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Mating connector (fully pluggable)

Tension clamp connection



TERMSERIES accessories include:

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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1124080000	TRZ 5VDC 2CO EMPTY	TERMSERIES, Relay base, Continuous current: 10 A, Tension clamp connection	4032248905881	10 pc(s).

Screw connection



TERMSERIES accessories include:

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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1123950000	TRS 5VDC 2CO EMPTY	TERMSERIES, Relay base, Continuous current: 10 A, Screw connection	4032248906154	10 pc(s).

Base



Relay base for RIDERSERIES RCL relays

- Screw and tension clamp connection
- Standard and low heights
- Plug-in frame for PCB connections

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8693930000	SRC 2CO N	RIDERSERIES, Relay base, Screw connection	4032248365418	10 pc(s).

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Mating connector (fully pluggable)

8783930000 SRC 2CO Z	RIDERSERIES, Relay base, 4032248471430 10 pc(s). Tension clamp connection
8690830000 SRC 2CO	RIDERSERIES, Relay base, 4032248361519 10 pc(s). Screw connection

Base



Relay base for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869500000	SRC-I 2CO P	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection	4032248614455	10 pc(s).