

RIDERSERIES RCI
RCI484R24**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com



Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with AC coil
- Relay with test button and integrated status display

General ordering data

Type	RCI484R24
Order No.	8870350000
Version	RIDERSERIES RCI, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248613731
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	13 mm	Height	29 mm
Depth	26.7 mm	Net weight	17.1 g

Temperatures

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

Input

Rated control voltage	24 V AC	Rated current AC	31.6 mA
Power rating	0.75 VA	Pull-in/drop-out voltage, typ.	18 V / 3.6 V AC
Coil resistance	350 $\Omega \pm 10 \%$	Status indicator	red LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
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	≤ 10 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 data

No. of contacts	2	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 5×10^6 Switching cycles, DC coil 10×10^6 Switching cycles

General data

Version	With test button/LED	Test button	Yes
UL 94 flammability rating	V-0		

Insulation coordination

Rated voltage	250 V	Creepage and clearance distance input – output	≥ 8 mm
Dielectric strength input – output	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	Impulse withstand voltage	5 kV (1.2/50 μ s)
Protection degree	IP 20	Insulating material group	IIIa
Pollution severity	2	Surge voltage category	III

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (cURus)	E224238
Standards	IEC 61810-1, UL508		

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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Creation date February 27, 2015 1:55:14 PM CET

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Technical data**Classifications**

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01

Product information

Descriptive text technical data x = 25.5 without test button / 26.7 with test button

Approvals

Approvals



ROHS

Conform

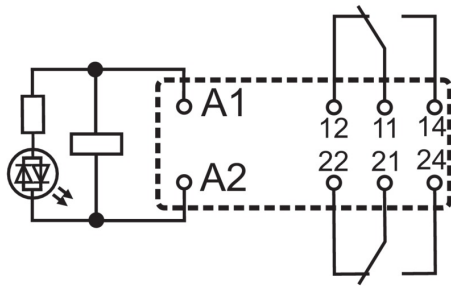
DownloadsDeclaration of Conformity [K295_02_13.pdf](#)

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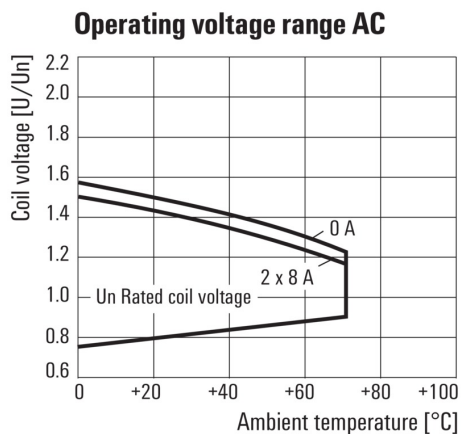
Drawings

Wiring diagram

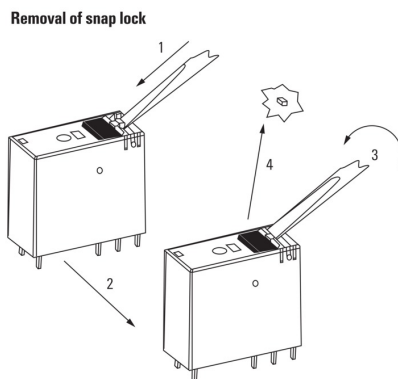


View of pins from below

AC operational voltage range

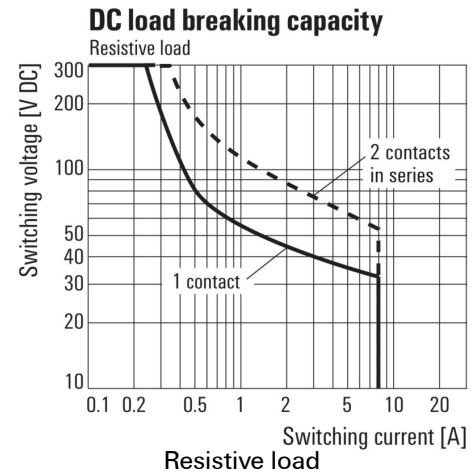


Detailed drawing

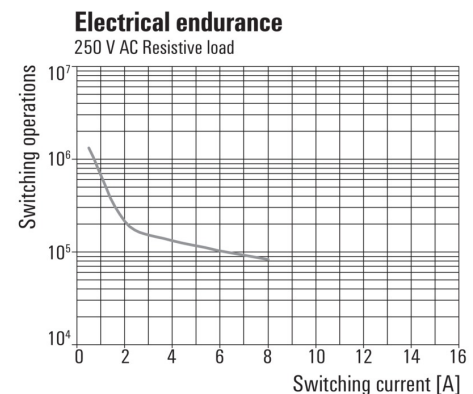


Removal of the test button detent lock

DC load limit curve

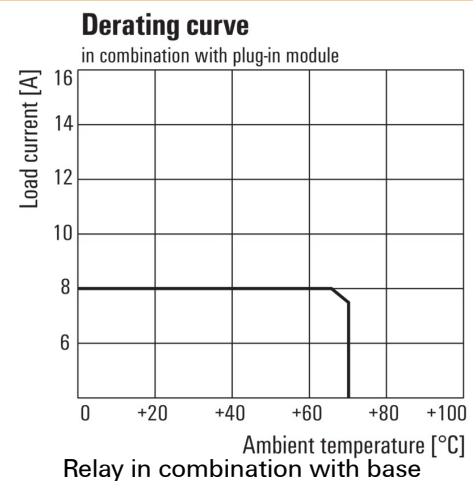


Electrical service life



250 V AC resistive load

Derating curve



Relay in combination with base

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Mating connector (fully pluggable)**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

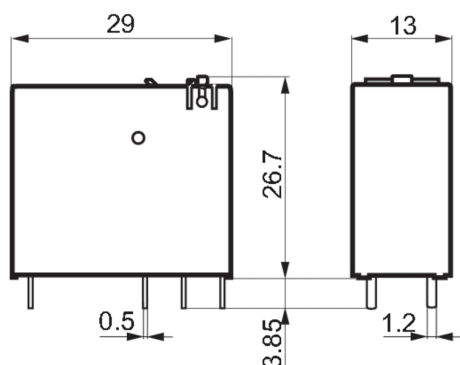
Type	Order No.	Version	GTIN (EAN)	Qty.
SRC-I 2CO N	8869480000	RIDERSERIES RCI, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection	4032248614431	10 pc(s).
SRC-I 2CO P	8869500000	RIDERSERIES RCI, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection	4032248614455	10 pc(s).
SRC-I 2CO	8869490000	RIDERSERIES RCI, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection	4032248614448	10 pc(s).

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Drawings

Dimensioned drawing



Type codes

Type code	RCL				
Type	RIDER Control Low				
Type of construction	3 16 A, pinning 5 mm 4 8 A, pinning 5 mm S 16 A, pinning 5 mm, inrush version				
Type of contact	1 1 CO contact 2 2 CO contacts 3 1 NO contact				
Contact material	4 AgNi 90/10 5 AgNi 90/10 hard gold plated L AgSnO ₂ T AgSnO ₂ + Tungsten (W) pre-make contact				
Coil	012 12 V DC 024 24 V DC 048 48 V DC 110 110 V DC 524 24 V AC 615 115 V AC 730 230 V AC AB2 12 V DC+LED+diode AC4 24 V DC+LED+diode AE8 48 V DC+LED+diode Bb0 110 V DC+LED+diode R24 24 V AC+LED S15 115 V AC+LED T30 230 V AC+LED				

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