

RIDERSERIES RCI
RCI484024

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



Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- optionally: AC or DC coils
- Relay with test button

General ordering data

Type	RCI484024
Order No.	8870030000
Version	RIDERSERIES RCI, Relay, No. of contacts: 2 CO contact with test button AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248613397
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	13 mm	Width (inches)	0.512 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	26.7 mm	Depth (inches)	1.051 inch
Net weight	14.3 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 DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 $\Omega \pm 10\%$		

Output

Rated switching voltage	240 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	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	2 CO contact with test button (AgNi 90/10)	Mechanical service life	AC coil 5×10^6 Switch. cycles, DC coil 10×10^6 Switch. cycles
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General data

Test button	yes (lockable, just when removing the detent lock)	Mechanical switch position indicator	Yes
UL 94 flammability rating	V-2		

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Dielectric strength input – output	5 kV _{eff} / 1 min	Creepage and clearance distance input – output	≥ 8 mm
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)		

Further details of approvals / standards

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

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Technical data
Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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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
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Product information

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

Approvals



ROHS	Conform
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Downloads

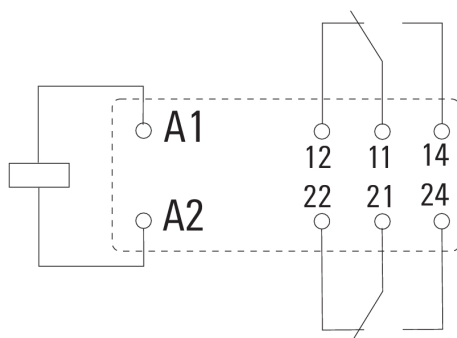
Approval/Certificate/Document of Conformity	DE_PA5600_160401_002.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 15/16 EN
Engineering Data	EPLAN_WSCAD

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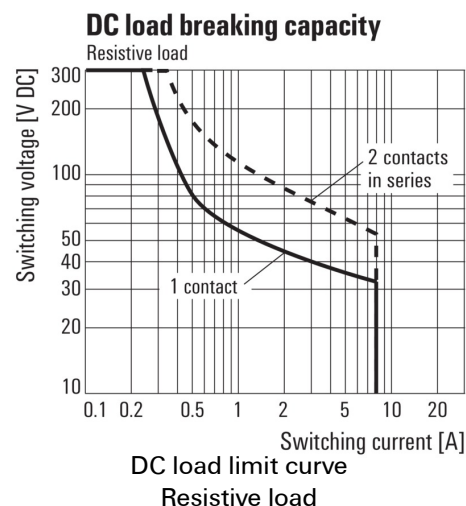
Drawings

Wiring diagram

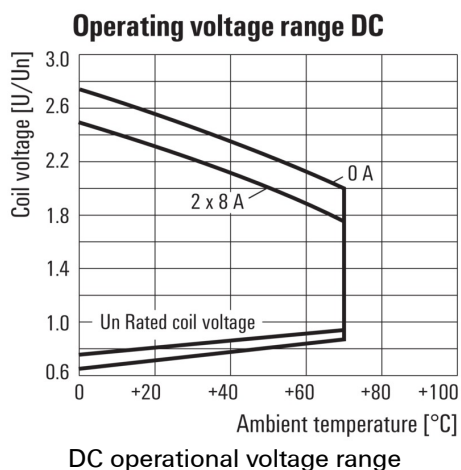


View of Pins from below

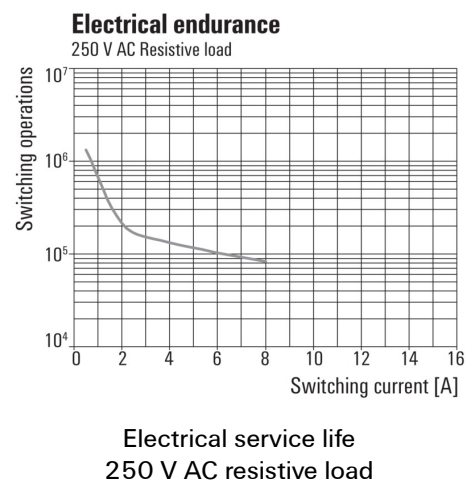
Graph



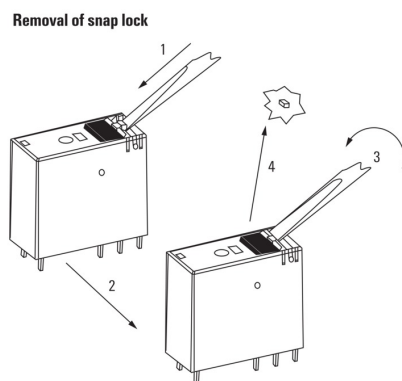
Graph



Graph

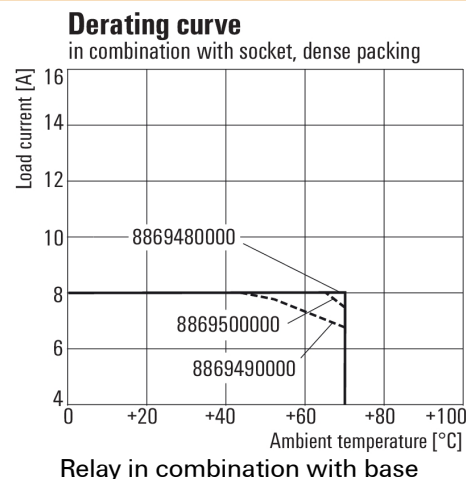


Dimensional drawing



Derating curve
Relay in combination with base

Derating curve



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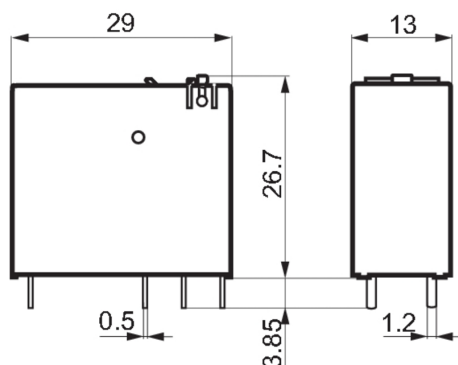
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Drawings
Dimensional drawing

Miscellaneous

Type code	RCI				
Type	RIDER Control Industrial				
Type of construction					
3	16 A, pinning 5 mm				
4	8 A, pinning 5 mm				
Type of contact					
1	1 CO contacts without push button				
2	2 CO contacts without push button				
7	1 CO contact with push button				
8	2 CO contacts with push button				
Contact material					
4	AgNi 90/10				

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

Type codes