

**RCI314BB0****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCI

- 1 CO contact
- DC coils
- With integrated status LED and free-wheeling diode

**General ordering data**

Version	RIDERSERIES RCI, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection
Order No.	<a href="#">8870120000</a>
Type	RCI314BB0
GTIN (EAN)	4032248613496
Qty.	10 pc(s).

Creation date March 29, 2021 11:29:01 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	25.6 mm	Depth (inches)	1.008 inch
Height	29 mm	Height (inches)	1.142 inch
Net weight	17.6 g	Width	13 mm
Width (inches)	0.512 inch		

## Temperatures

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

## Rated data UL

Certificate No. (cURus)	E224238
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## Control side

Coil resistance	28800 Ω ± 12 %	Power rating	803 mW
Protective circuit	Free-wheeling diode	Pull-in/drop-out voltage, typ.	77 V / 11 V DC
Rated control voltage	110 V DC	Rated current DC	7.6 mA
Status indicator	Green LED		

## Load side

AC switching capacity (resistive), max.	4000 VA	Continuous current	16 A
DC switching capacity (resistive), max.	384 W @ 24 V	Inrush current	30 A / 4 s
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	≤ 6 ms
Switch-on delay	≤ 8 ms		

## Contact data

Contact type	1 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5 x 10 <sup>6</sup> switching cycles, DC coil 10 x 10 <sup>6</sup> switching cycles
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## General data

Test button	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

## Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min
Dielectric strength, Input/Output	5 kV <sub>eff</sub> / 1min	Impulse withstand voltage	5 kV (1.2/50 μs)
Insulating material group	IIIa	Pollution severity	2
Rated voltage	250 V	Surge voltage category	III

## Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40018043	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 6.0	EC001437	ETIM 7.0	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**

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>

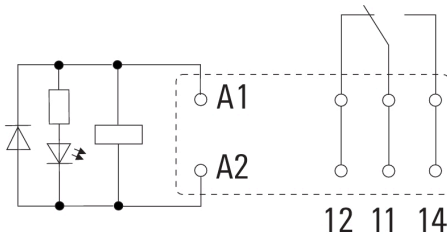
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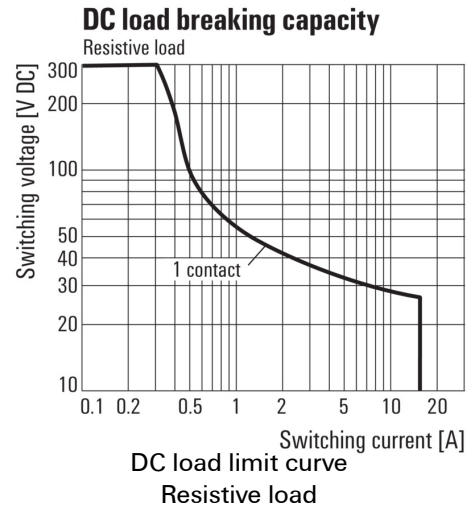
Drawings

Wiring diagram

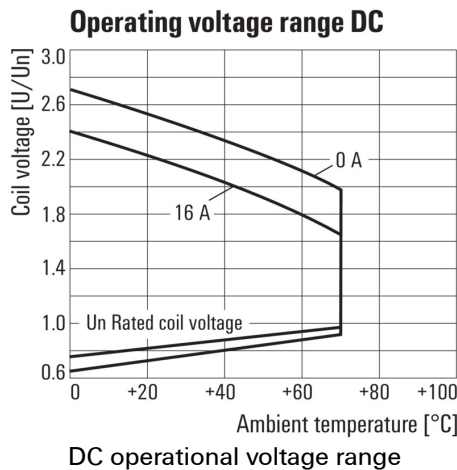


View of Pins from below

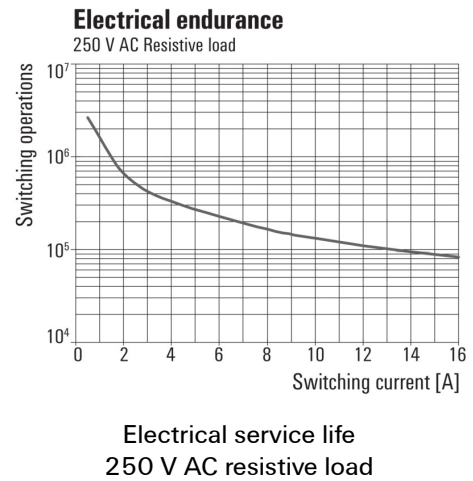
Graph



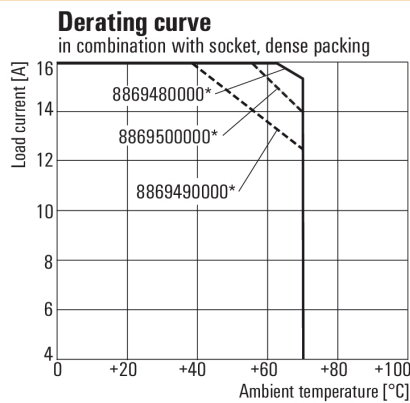
Graph



Graph



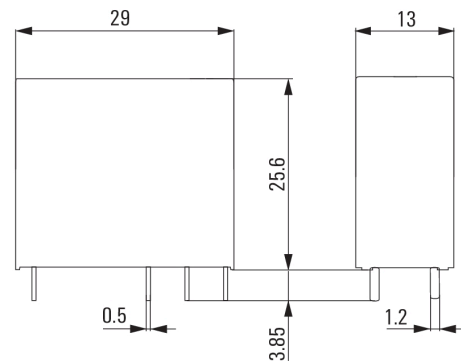
Graph



\* For full continuous current (16 A), socket connections 11-21, 12-22 and 14-24 must be bridged.

Derating curve  
 Relay in combination with base

Dimensional drawing



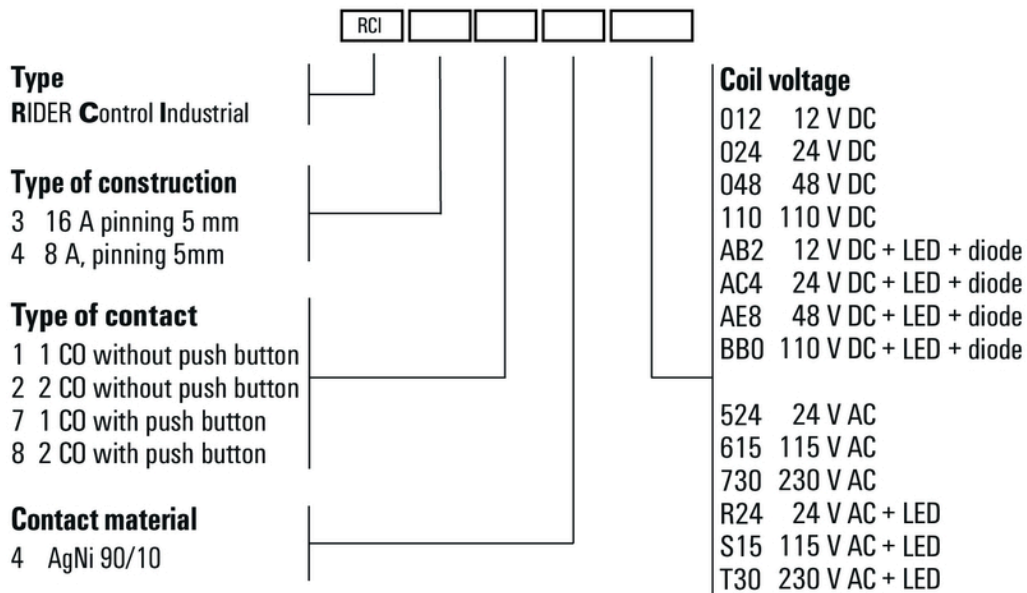
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**Drawings**

**Miscellaneous**



Type codes