

**RIDERSERIES RCI
RCI314BB0**

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

Product image

Similar to illustration

Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with DC coil
- Relay with integrated status display and free-wheel diode

General ordering data

Type	RCI314BB0
Order No.	8870120000
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
GTIN (EAN)	4032248613496
Qty.	10 pc(s).

Creation date September 11, 2020 9:11:16 PM CEST

Catalogue status 28.08.2020 / We reserve the right to make technical changes.

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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	25.6 mm	Depth (inches)	1.008 inch
Net weight	17.6 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E224238
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Input

Rated control voltage	110 V DC	Rated current DC	4.1 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	77 V / 11 V DC
Coil resistance	28800 Ω ± 12 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

Output

Rated switching voltage	240 V AC
Rated switching voltage	Voltage type AC
	max. 250 V
Max. switching voltage, AC	400 V
Continuous current	16 A
Continuous current	Current 16 A
Inrush current	30 A / 4 s
AC switching capacity (resistive), max.	4000 VA
DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	≤ 8 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	Mechanical service life	AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles
	1 CO contact (AgNi 90/10)	

General data

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

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Technical data
Insulation coordination

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

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40018043	Certificate No. (cURus)	E224238

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	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS Conform

Downloads

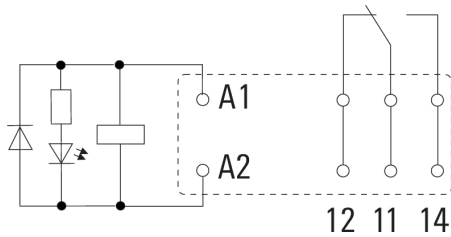
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN.WSCAD
Engineering Data	STEP

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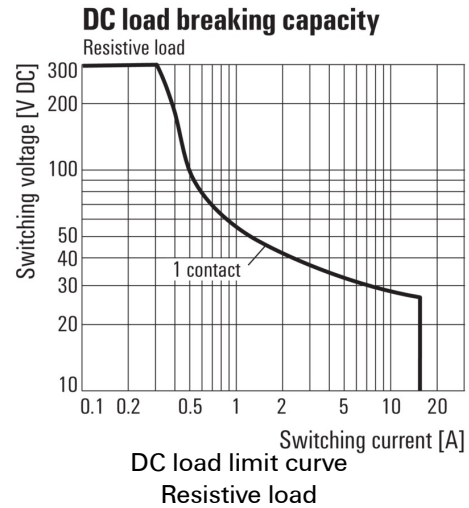
Drawings

Wiring diagram

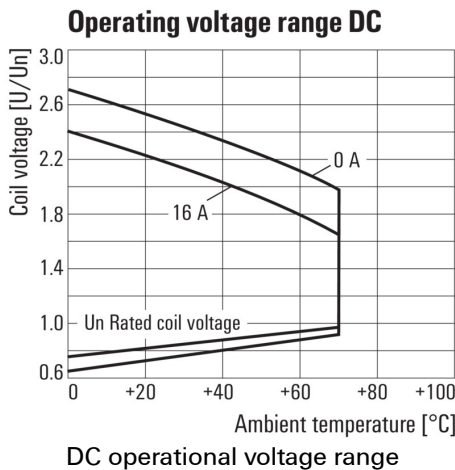


View of Pins from below

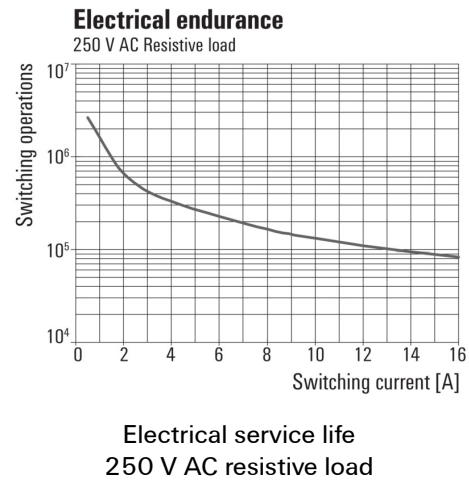
Graph



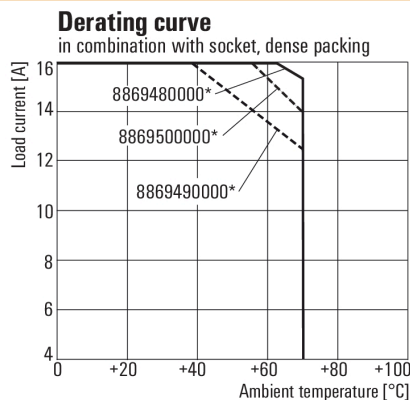
Graph



Graph



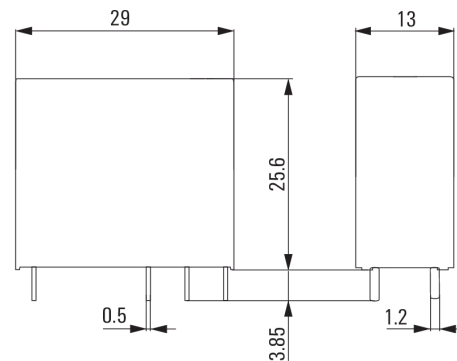
Graph



* 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

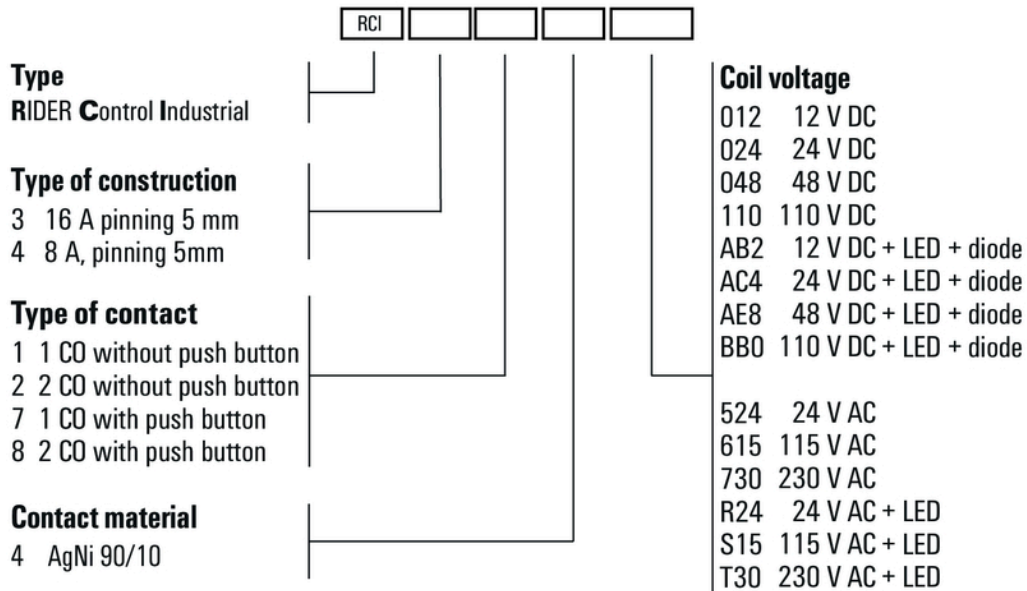


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Drawings

Miscellaneous



Type codes