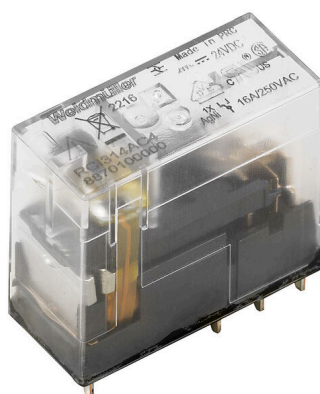


RCI314AC4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	8870100000
Type	RCI314AC4
GTIN (EAN)	4032248613472
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Available until	2026-01-31T00:00:00+01:00
Alternative product	CRI10024

Creation date 24.05.2026 04:24:30 MEZ

Catalogue status / Drawings

RCI314AC4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	25.6 mm	Depth (inches)	1.0079 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	13 mm	Width (inches)	0.5118 inch
Net weight	15.4 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	24 V DC	Rated current DC	17.5 mA
Power rating	419 mW	Coil resistance	1440 Ω ± 10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

Load side

Rated switching voltage	240 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
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	Contact type	1 CO contact (AgNi)
Mechanical service life	AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

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

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	5 kVeff / 1 min
Dielectric strength of open contact	1 kVeff / 1 min	Impulse withstand voltage	5 kV (1.2/50 μs)

RCI314AC4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Further details of approvals / standards**

Certificate No. (CSA)	249409-2426937
-----------------------	----------------

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
------------------------	--------------------	-----------------	---------

Classifications

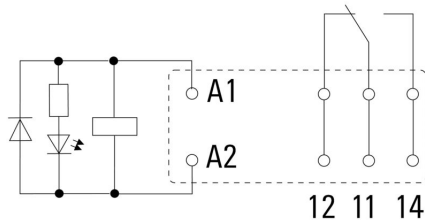
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

RCI314AC4
Weidmüller Interface GmbH & Co. KG

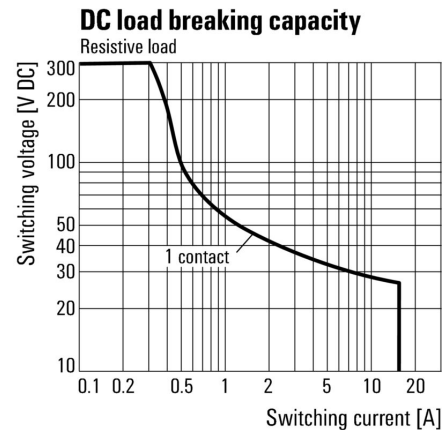
Klingenbergstraße 26

D-32758 Detmold

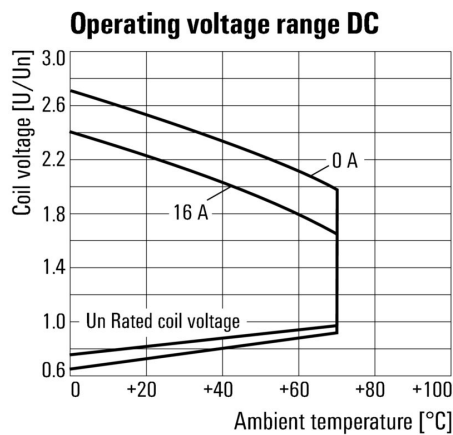
Germany

www.weidmueller.com
Drawings
Wiring diagram


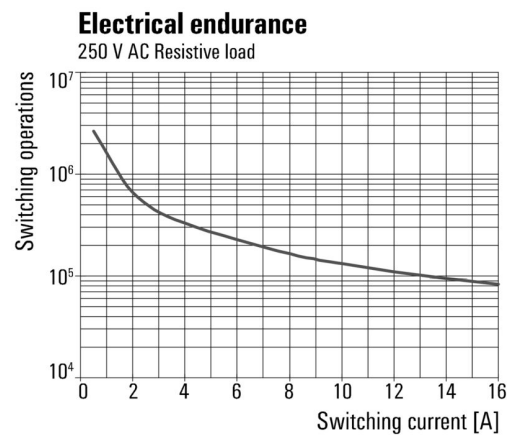
View of Pins from below

Graph


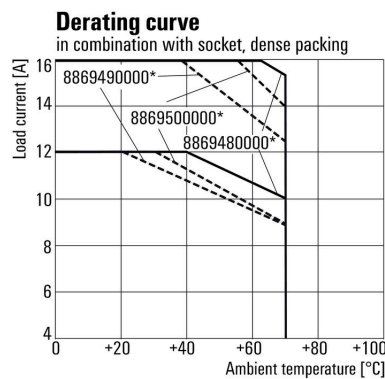
DC load limit curve Resistive load

Graph


DC operational voltage range

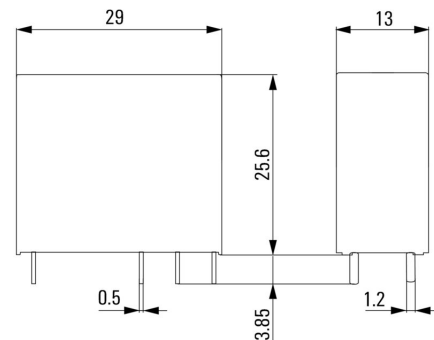
Graph


Electrical service life 250 V AC resistive load

Graph


* For full continuous current (16 A), the wire terminals 11 with 21, 12 with 22 and 14 with 24 must be bridged with a wire $\geq 1,5 \text{ mm}^2$ at the socket.

Derating curve Relay in combination with base

Dimensional drawing


RCI314AC4
Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com
Drawings
Miscellaneous

		RCI								
Type										
RIDER Control Industrial										
Type of construction										
3	16 A pinning 5 mm									
4	8 A, pinning 5mm									
Type of contact										
1	1 CO without push button									
2	2 CO without push button									
7	1 CO with push button									
8	2 CO with push button									
Contact material										
4	AgNi 90/10									
		Coil voltage								
		012 12 V DC								
		024 24 V DC								
		048 48 V DC								
		110 110 V DC								
		AB2 12 V DC + LED + diode								
		AC4 24 V DC + LED + diode								
		AE8 48 V DC + LED + diode								
		BB0 110 V DC + LED + diode								
		524 24 V AC								
		615 115 V AC								
		730 230 V AC								
		R24 24 V AC + LED								
		S15 115 V AC + LED								
		T30 230 V AC + LED								

Type codes