

RCI314AE8

Weidmüller Interface GmbH & Co. KG

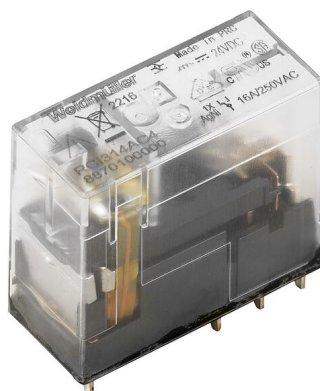
Klingenbergstraße 26

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, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	8870110000
Type	RCI314AE8
GTIN (EAN)	4032248613489
Qty.	10 items
Delivery status	Discontinued
Last order date	2024-10-31T00:00:00+01:00
Alternative product	CRI10048

Creation date 24.05.2026 03:24:17 MEZ

Catalogue status / Drawings

RCI314AE8

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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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	16.4 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 with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	85ecb834-8971-4667-a012-c65a77e9d726

Control side

Rated control voltage	48 V DC	Rated current DC	9.5 mA
Power rating	456 mW	Coil resistance	5520 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)

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

Certificate No. (CSA)	249409-2426937
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Connection data

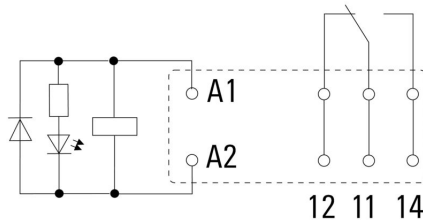
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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Classifications

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		

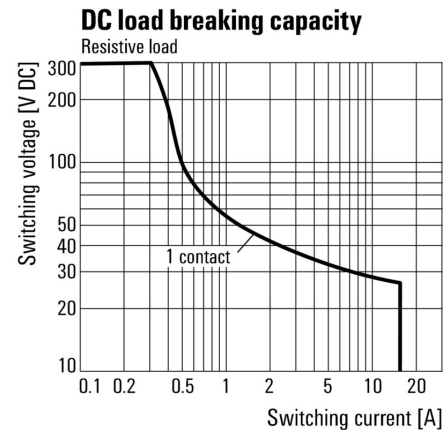
Drawings

Wiring diagram



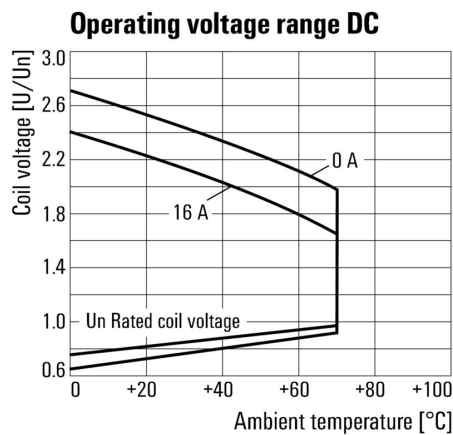
View of Pins from below

Graph



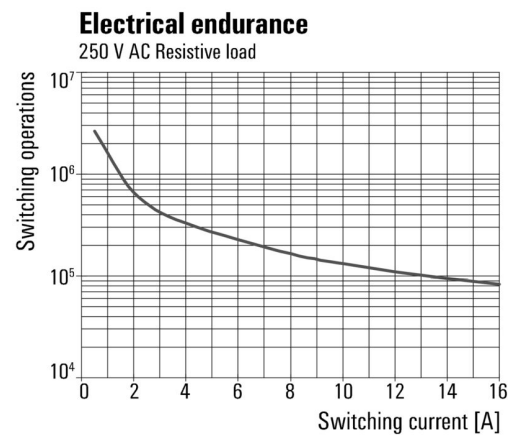
DC load limit curve Resistive load

Graph



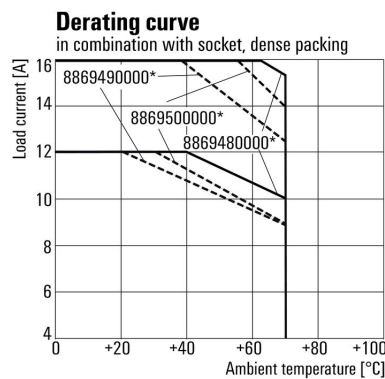
DC operational voltage range

Graph



Electrical service life 250 V AC resistive load

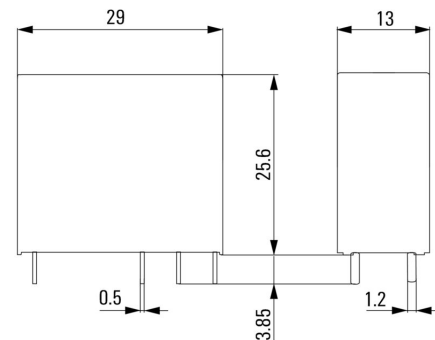
Graph



* 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



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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