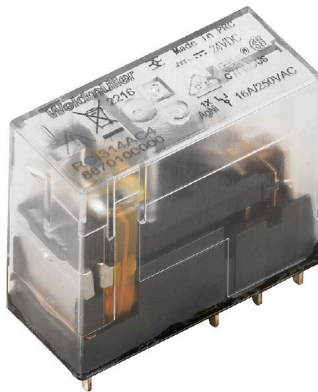


RCI314AE8**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germanywww.weidmueller.com**Product image**

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 ST
Delivery status	This article will no longer be available in the future.
Available until	2024-10-31T00:00:00+01:00
Alternative product	CRI10048

Creation date 08.08.2025 09:26:07 MEZ

Catalogue status / Drawings

Technical data

Approvals

Approvals



ROHS	Conform
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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	Operating temperature	-40 °C...70 °C
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)

RCI314AE8

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Germany

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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 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	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	ECLASS 12.0	27-37-16-01
ECLASS 13.0	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

RCI314AE8

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

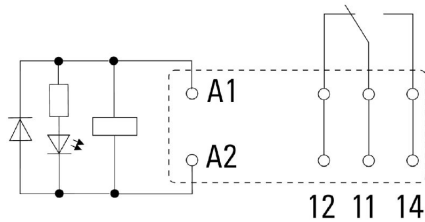
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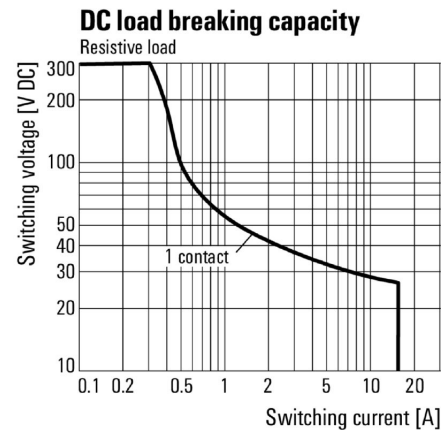
Drawings

Wiring diagram



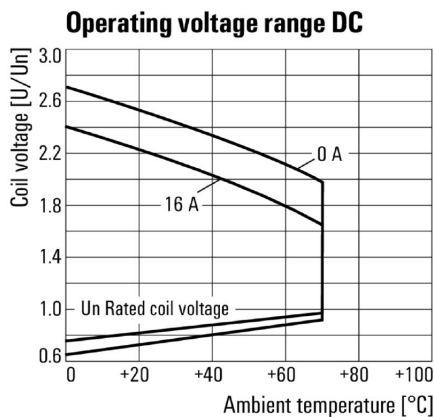
View of Pins from below

Graph



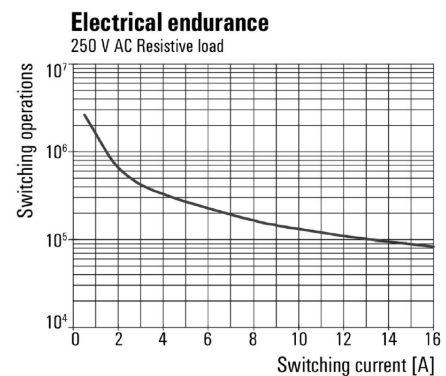
DC load limit curve Resistive load

Graph



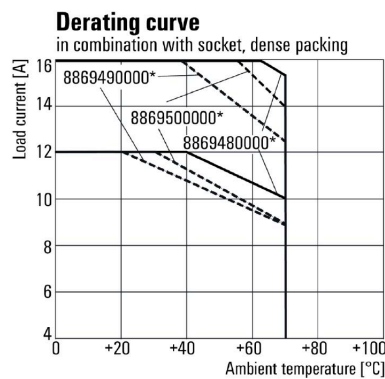
DC operational voltage range

Graph



Electrical service life 250 V AC resistive load

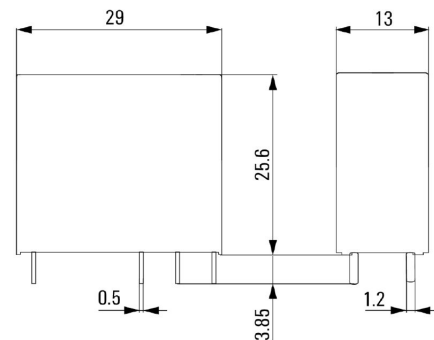
Graph



* 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



Miscellaneous

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

Type codes