

RCI484AC4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Individual relays within the RIDERSERIES RCI

- 2 CO contacts
- DC coils
- With integrated status LED, free-wheeling diode and test button

General ordering data

Version	RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection
Order No.	8870320000
Type	RCI484AC4
GTIN (EAN)	4032248613700
Qty.	10 pc(s).

Creation date March 29, 2021 11:30:29 PM CEST

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

RCI484AC4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.051 inch
Height	29 mm	Height (inches)	1.142 inch
Net weight	17.3 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		

Probability of failure

B10	80.000 AC15: 250Vac/2.5A
-----	-----------------------------

Rated data UL

Certificate No. (cURus)	E224238
-------------------------	---------

Control side

Coil resistance	1440 $\Omega \pm 10\%$	Power rating	761 mW
Protective circuit	Free-wheeling diode	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Rated control voltage	24 V DC	Rated current DC	31.6 mA
Status indicator	Green LED		

Load side

AC switching capacity (resistive), max.	2000 VA	Continuous current	8 A
DC switching capacity (resistive), max.	192 W @ 24 V	Inrush current	15 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	≤ 10 ms		

Contact data

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5×10^6 switching cycles, DC coil 10×10^6 switching cycles
--------------	---------------------------	-------------------------	---

General data

Test button	yes (lockable, just when removing the detent lock)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

RCI484AC4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1 kV _{eff} / 1 min	Dielectric strength, Input/Output	5 kV _{eff} / 1 min
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

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
------------------------	--------------------	-----------------	------

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	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

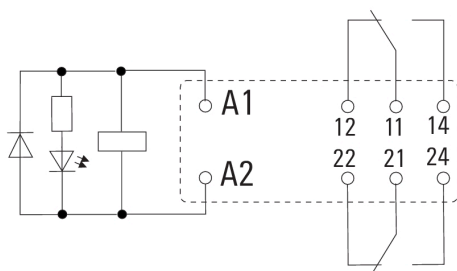
RCI484AC4

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

www.weidmueller.com

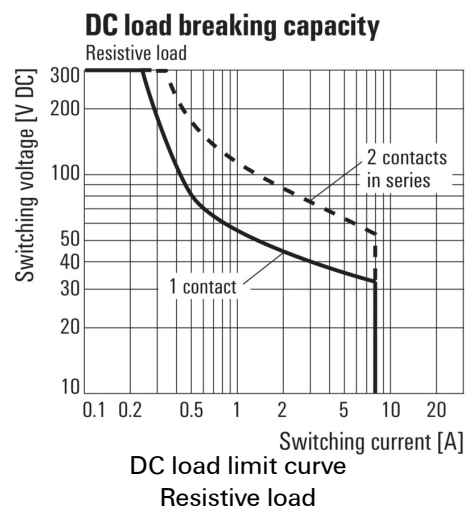
Drawings

Wiring diagram

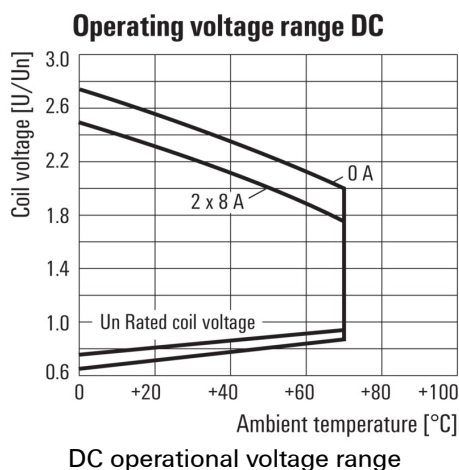


View of Pins from below

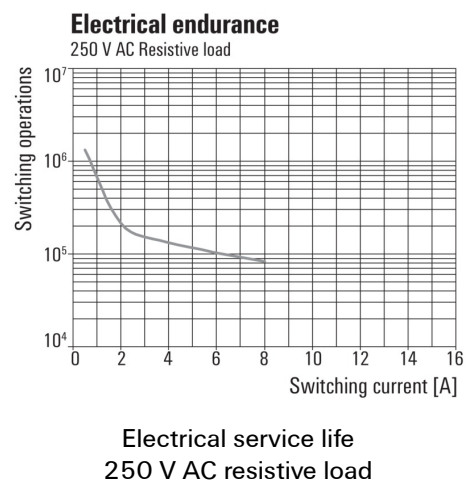
Graph



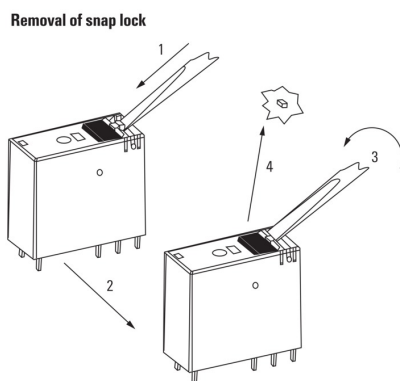
Graph



Graph

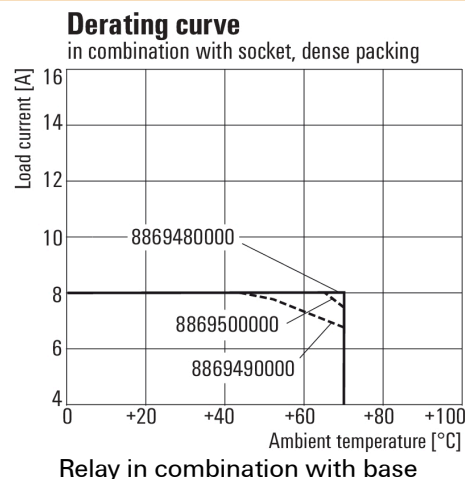


Dimensional drawing



Detailed drawing
Removal of the test button detent lock

Derating curve

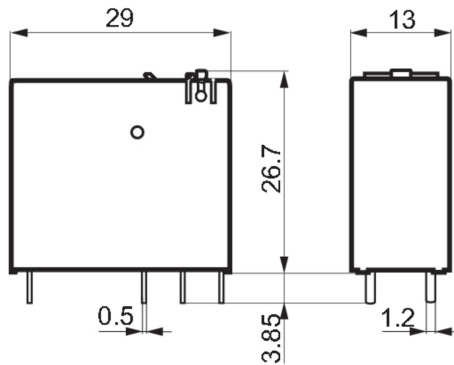


RCI484AC4
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com
Drawings
Dimensional drawing

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

Creation date March 29, 2021 11:30:29 PM CEST

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