

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection, Test button available: Yes
Order No.	8870320000
Type	RCI484AC4
GTIN (EAN)	4032248613700
Qty.	10 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2026-01-31
Alternative product	7760056340

Creation date July 23, 2024 10:45:40 AM CEST

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Technical data

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.051 inch
Height	29 mm	Height (inches)	1.142 inch
Width	13 mm	Width (inches)	0.512 inch
Net weight	17 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E522350
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Control side

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

Load side

Rated switching voltage	240 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	15 A / 4 s	AC switching capacity (resistive), max.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms	Contact type	2 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	Yes	Version of test button	lockable, just when removing the detend lock, Momentary test button
Mechanical switch position indicator	Yes	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 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1 kV _{eff} / 1 min
Impulse withstand voltage	5 kV (1.2/50 μs)		

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40018043
Certificate No. (cURus)	E522350		

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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
ETIM 8.0	EC001437	ETIM 9.0	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		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	20220511 Product consolidation RIDERSERIES RCI relays 20220511 Produktkonsolidierung RIDERSERIES RCI Relais
Catalogues	Catalogues in PDF-format
Brochures	

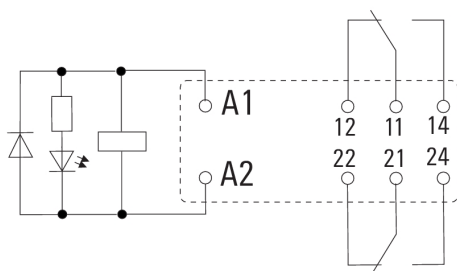
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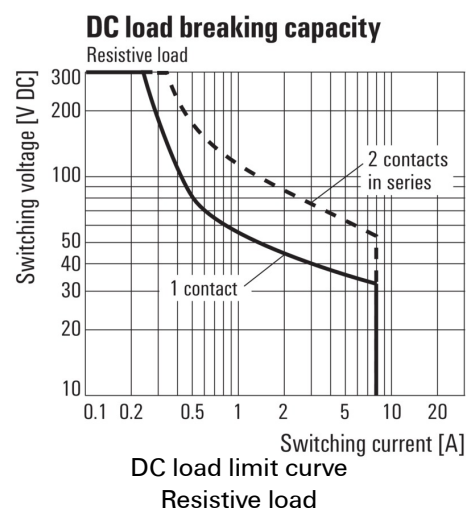
Drawings

Wiring diagram

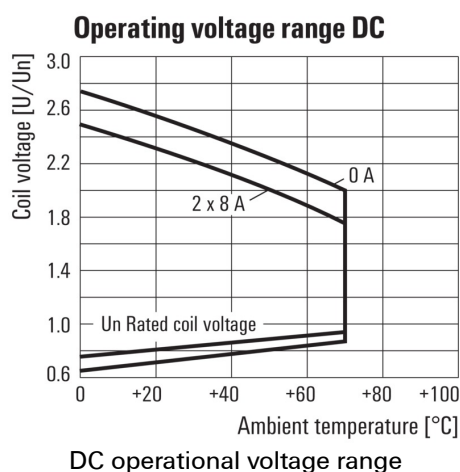


View of Pins from below

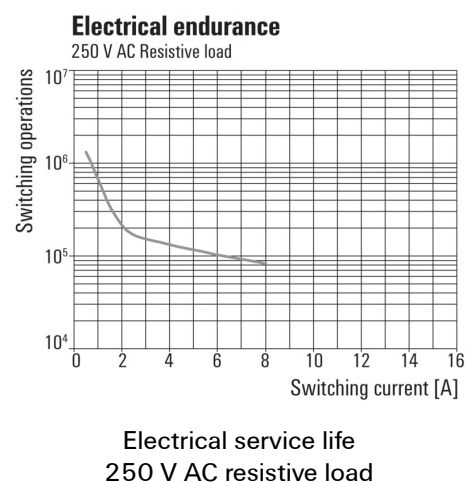
Graph



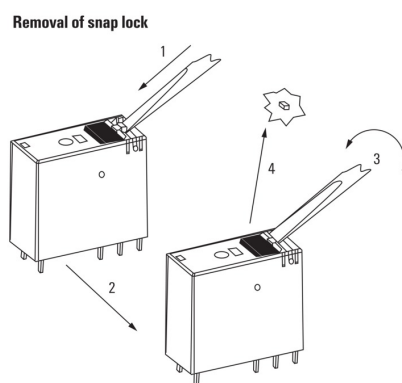
Graph



Graph

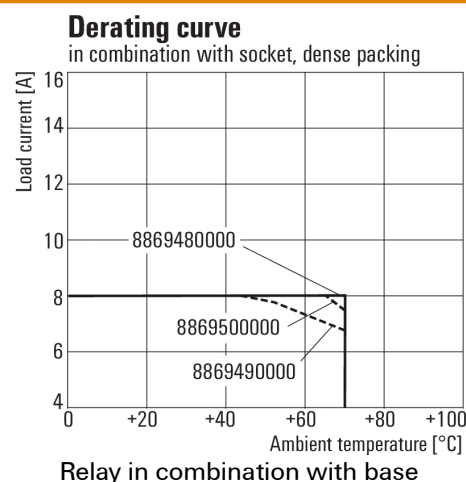


Dimensional drawing



Detailed drawing
 Removal of the test button detent lock

Derating curve



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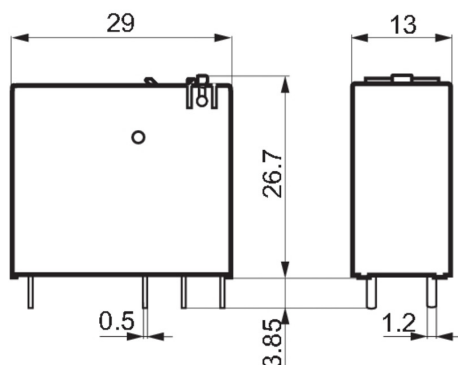
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Drawings

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							524	24 V AC
2 2 CO without push button							615	115 V AC
7 1 CO with push button							730	230 V AC
8 2 CO with push button							R24	24 V AC + LED
Contact material							S15	115 V AC + LED
4 AgNi 90/10							T30	230 V AC + LED

Type codes