

RCI484730**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

- 2 CO contacts
- Optional AC or DC coils
- With test button

General ordering data

Version	RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection
Order No.	8870080000
Type	RCI484730
GTIN (EAN)	4032248613458
Qty.	10 pc(s).

Creation date March 29, 2021 11:28:42 PM CEST

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

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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
Net weight	14.086 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	65.000 AC15: 250Vac/2.5A
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Rated data UL

Certificate No. (cURus)	E224238
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Control side

Coil resistance	32500 $\Omega \pm 15\%$	Power rating	1012 mVA
Pull-in/drop-out voltage, typ.	172.5 V / 34.5 V AC	Rated control voltage	230 V AC
Rated current AC	4.4 mA		

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	Mechanical service life	
2 CO contact (AgNi 90/10)	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

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 μ s)	Insulating material group	IIIa
Pollution severity	2	Rated voltage	250 V
Surge voltage category	III		

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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
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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

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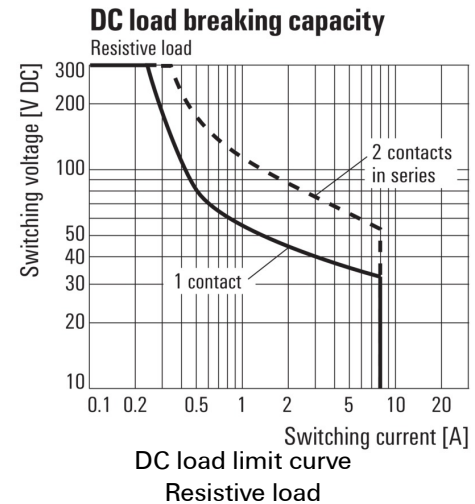
Drawings

Wiring diagram

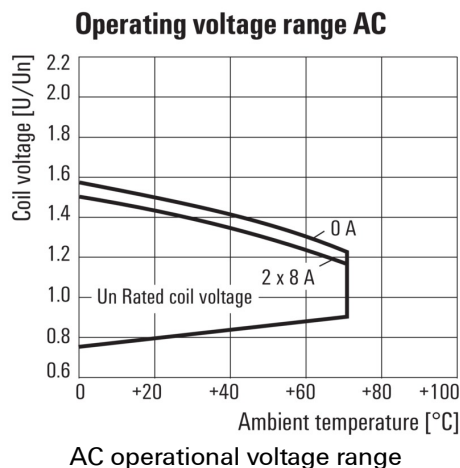


View of Pins from below

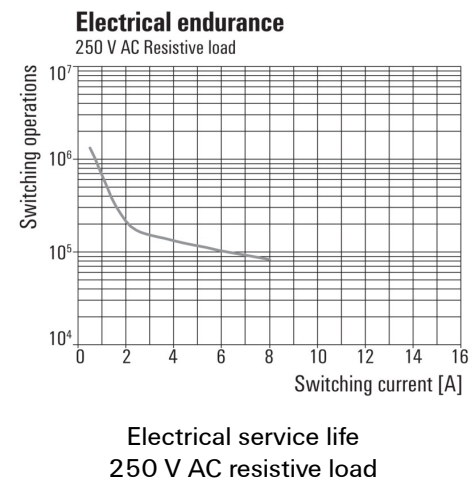
Graph



Graph



Graph

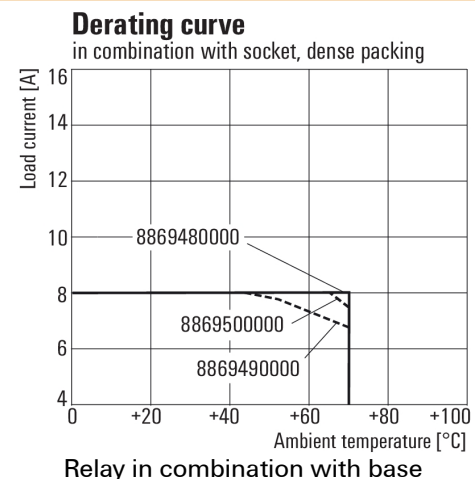


Dimensional drawing



Derating curve
Relay in combination with base

Derating curve



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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							BBO	110 V DC + LED + diode
1 1 CO without push button								
2 2 CO without push button								
7 1 CO with push button							524	24 V AC
8 2 CO with push button							615	115 V AC
Contact material							730	230 V AC
4 AgNi 90/10							R24	24 V AC + LED
							S15	115 V AC + LED
							T30	230 V AC + LED

Type codes

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