

RIDERSERIES RCI
RCI424T30

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with AC coil
- Relay with integrated status display

General ordering data

Type	RCI424T30
Order No.	8870230000
Version	RIDERSERIES RCI, Relay, No. of contacts: 2 CO contact AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248613601
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	13 mm	Width (inches)	0.512 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	25.6 mm	Depth (inches)	1.008 inch
Net weight	13.851 g		

Temperatures

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

Input

Rated control voltage	230 V AC	Rated current AC	3.2 mA
Power rating	0.75 VA	Pull-in/drop-out voltage, typ.	172.5 V / 34.5 V AC
Coil resistance	32500 Ω ± 15 %	Status indicator	red LED

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	8 A	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
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
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General data

Test button	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Dielectric strength input – output	5 kV _{eff} / 1min	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
Impulse withstand voltage	5 kV (1.2/50 μs)		

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (cURus)	E224238		

Data sheet

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Technical data

Connection data

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

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Product information

Descriptive text technical data	x = 25.5 without test button / 26.7 with test button
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	DE_PA5600_160401_002.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN_WSCAD

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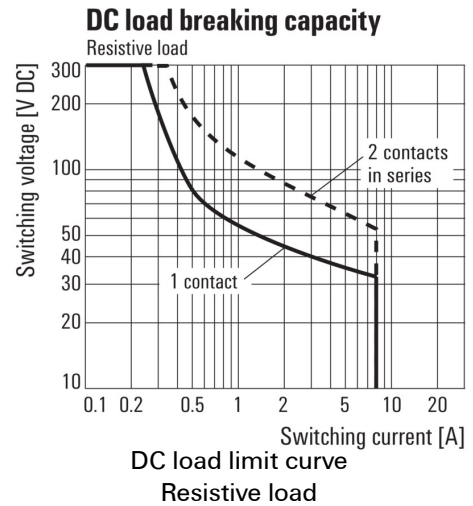
Drawings

Wiring diagram

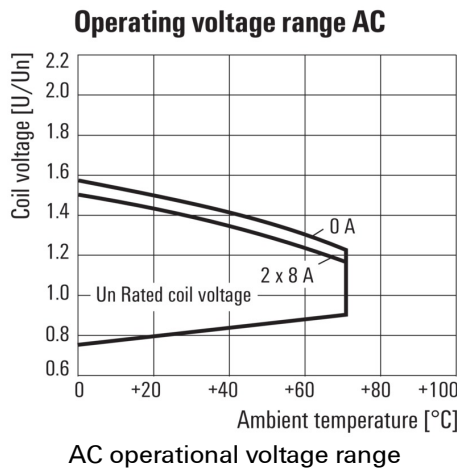


View of Pins from below

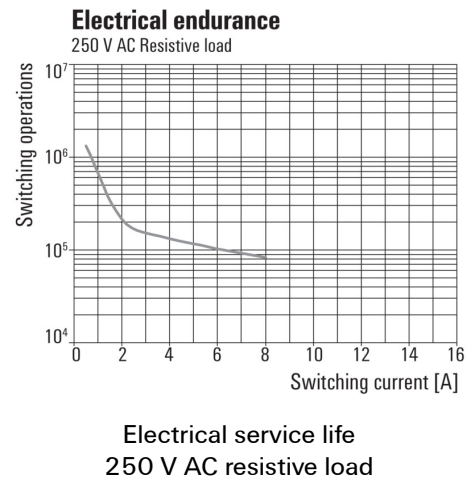
Graph



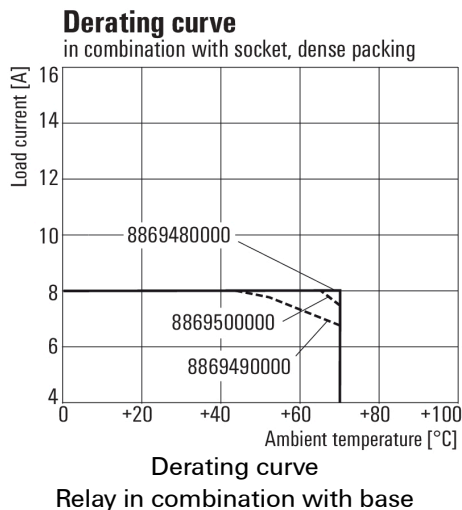
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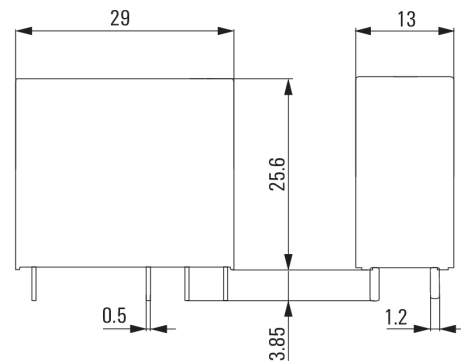
Graph



Graph



Dimensional drawing



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Drawings

Miscellaneous



Type codes