

**RIDERSERIES RCL
RCL114024T**

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 RCL

- 1 CO contact
- optionally: AC or DC coils

General ordering data

Type	RCL114024T
Order No.	1989070000
Version	RIDERSERIES RCL, Relay, No. of contacts: 1 CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	4050118383126
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Width	12.7 mm	Width (inches)	0.5 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	15.7 mm	Depth (inches)	0.618 inch
Net weight	14 g		

Temperatures

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E302101
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Input

Rated control voltage	24 V DC	Power rating	480 mW
Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC	Coil resistance	1440 Ω ± 10 %

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	440 V
Continuous current	12 A	Inrush current	25 A / 4 s
Switch-on delay	≤ 8 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	1 CO contact (AgNi 90/10)	Mechanical service life	30 x 10 ⁶ switching cycles
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General data

Test button	No	Mechanical switch position indicator	No
Colour	Transparent		

Insulation coordination

Rated voltage	400 V	Surge voltage category	III
Pollution severity	3	Protection degree	IP40 (in plugged condition)
Dielectric strength, Input/Output	5 kV _{eff} / 1 min	Creepage and clearance distance input – output	≥ 10 mm
Dielectric strength of open contact	1 kV _{eff} / 1 min	Impulse withstand voltage	4 kV (1.2/50 μs)

Further details of approvals / standards

Certificate No. (cURus)	E302101
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Data sheet

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Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	3.5 mm
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Classifications

ETIM 3.0	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 9.0	27-37-16-01	eClass 9.1	27-37-16-01

Approvals

Approvals



ROHS Conform