

RIDERSERIES RCL
RCL114024

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image

Similar to illustration

Standard relay within the RIDERSERIES RCL

- 1 CO contact
- optionally: AC or DC coils

General ordering data

Type	RCL114024
Order No.	8693180000
Version	RIDERSERIES RCL, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	4032248364640
Qty.	20 pc(s).

Creation date July 9, 2020 9:03:14 AM CEST

Catalogue status 09.07.2020 / We reserve the right to make technical changes.

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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	14.25 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		

Rated data UL

Certificate No. (cURus)	E224238
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Input

Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 $\Omega \pm 10\%$		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	12 A	Inrush current	25 A / 4 s
AC switching capacity (resistive), max.	3000 VA	DC switching capacity (resistive), max.	288 W @ 24 V
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	AC coil 10×10^6 switching cycles, DC coil 30×10^6 switching 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
Protection degree	IP20	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

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40020589	Certificate No. (cURus)	E224238

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Technical data**Connection data**

Wire connection method	Plug-in connection	Pitch in mm (P)	3.5 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	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS

Conform

Downloads

Engineering Data [EPLAN, WSCAD](#)

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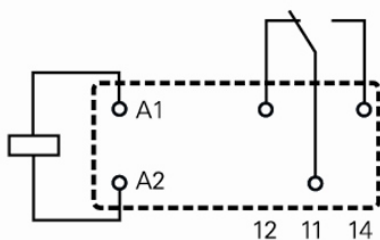
Drawings

Wiring diagram

Circuit diagram

[View on pins](#)

1 C/O changeover contacts

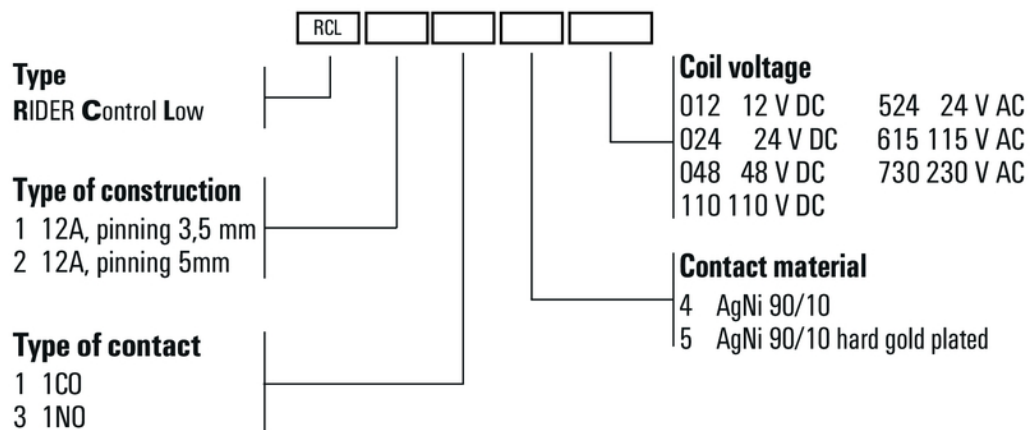


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Drawings

Miscellaneous



Type codes