

RCL424524**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

General ordering data

Version	RIDERSERIES RCL, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	4058600000
Type	RCL424524
GTIN (EAN)	4032248189335
Qty.	20 pc(s).

Creation date September 14, 2022 6:55:35 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	12.576 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)	E224238
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Control side

Rated control voltage	24 V AC	Rated current AC	31.6 mA
Power rating	0.75 VA	Pull-in/drop-out voltage, typ.	18 V / 3.6 V AC
Coil resistance	350 Ω $\pm$ 10 %	Coil tolerance	10 %

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	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	$\leq$ 8 ms	Switch-off delay	$\leq$ 6 ms
Contact type	2 CO contact (AgNi)	Mechanical service life	5 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	No	Mechanical switch position indicator	No
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
Creepage and clearance distance input – output	$\geq$ 10 mm	Dielectric strength, Input/Output	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
Protection degree	IP20		

Further details of approvals / standards

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

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E224238

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format

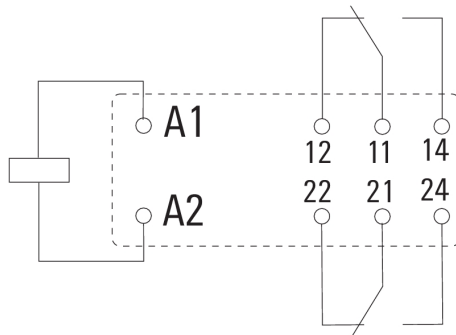
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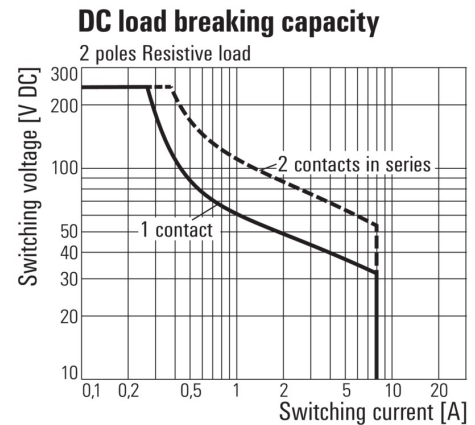
Drawings

Wiring diagram



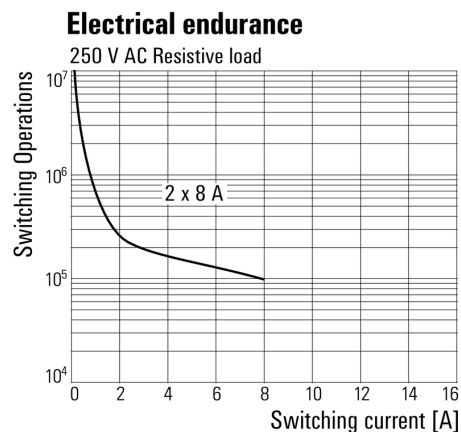
View of Pins from below

Graph

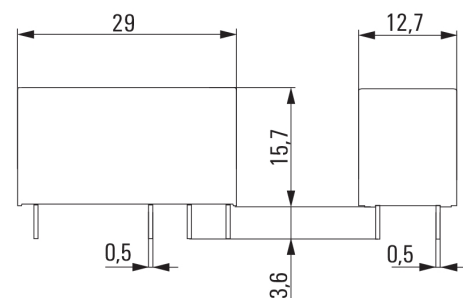


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load

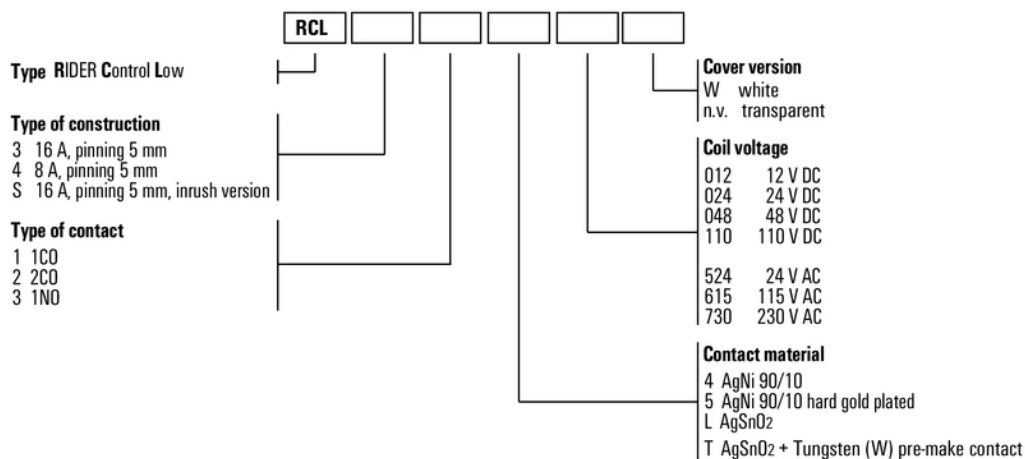


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Type codes