

RCL424110**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection
Order No.	4058590000
Type	RCL424110
GTIN (EAN)	4032248189311
Qty.	20 pc(s).

Creation date March 29, 2021 8:29:21 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	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Net weight	17 g	Width	12.7 mm
Width (inches)	0.5 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	80.000 AC15: 250Vac/2.5A
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Rated data UL

Certificate No. (cURus)	E224238
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Control side

Coil resistance	28800 $\Omega \pm 12\%$	Power rating	420 mW
Pull-in/drop-out voltage, typ.	77 V / 11 V DC	Rated control voltage	110 V DC
Rated current DC	4.1 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	Max. switching voltage, AC	400 V
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	≤ 8 ms

Contact data

Contact type	2 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	UL 94 flammability rating	V-2

Insulation coordination

Creepage and clearance distance input – output	≥ 10 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
Insulating material group	IIIa	Pollution severity	2
Protection degree	IP20	Rated voltage	250 V
Surge voltage category	III		

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Technical data**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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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

Engineering Data	STEP
Engineering Data	WSCAD

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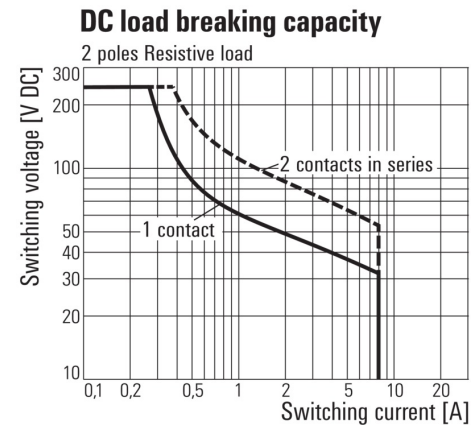
Drawings

Wiring diagram



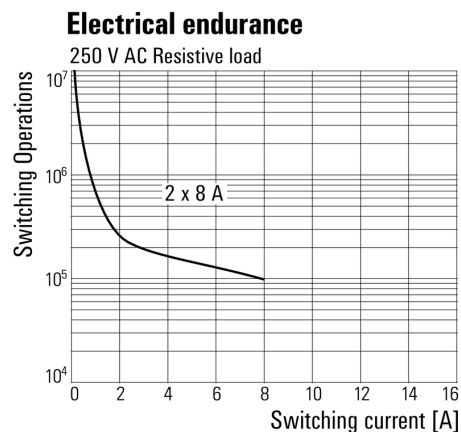
View of Pins from below

Graph

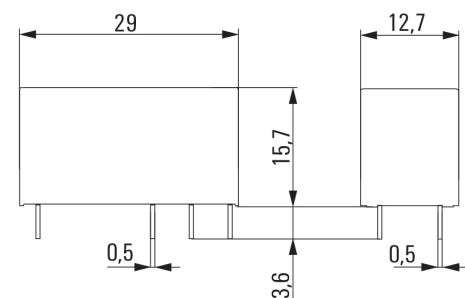


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load

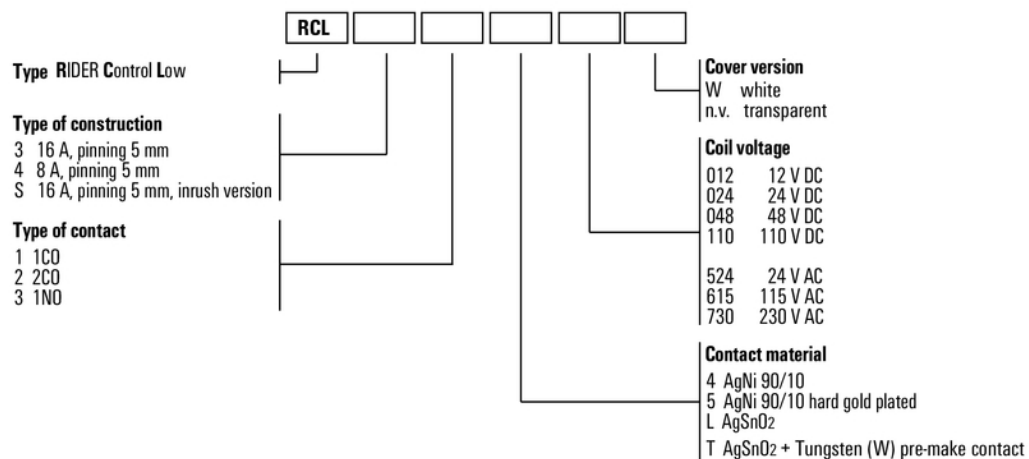


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Drawings
Miscellaneous


Type codes