

RCL425005**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 gold-plated, Rated control voltage: 5 V DC, Continuous current: 8 A, Plug-in connection
Order No.	1174490000
Type	RCL425005
GTIN (EAN)	4050118049701
Qty.	20 pc(s).

Creation date March 23, 2021 7:40:55 AM CET

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	14.6 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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Control side

Coil resistance	62 Ω ± 10 %	Power rating	400 mW
Pull-in/drop-out voltage, typ.	3.5 V / 0.5 V DC	Rated control voltage	5 V DC
Rated current DC	80 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	6 A, 15 A / 4 s
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 1 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 gold-plated)	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
Pollution severity	2	Protection degree	IP20
Rated voltage	250 V	Surge voltage category	III

Further details of approvals / standards

Standards	IEC 61810-1, UL508
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Connection data

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

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

Downloads

Engineering Data	STEP
Engineering Data	EPLAN_WSCAD

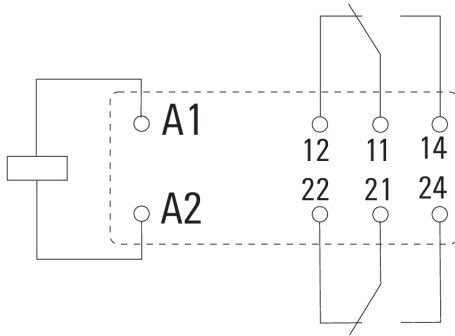
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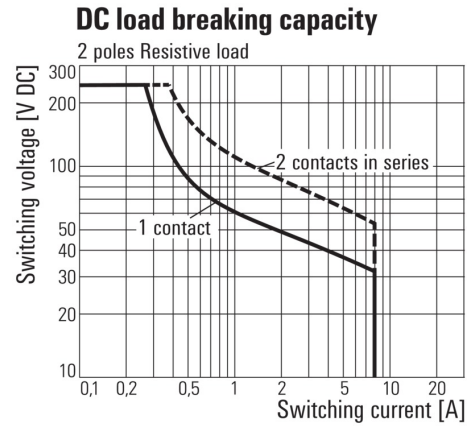
Drawings

Wiring diagram



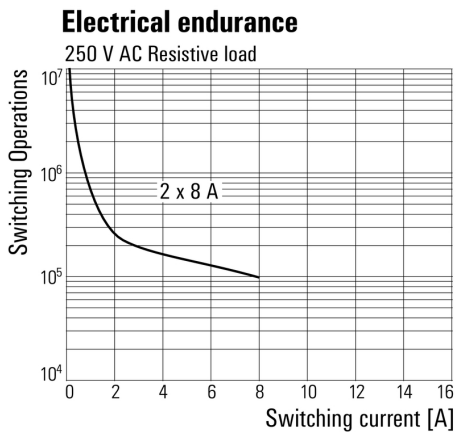
View of Pins from below

Graph

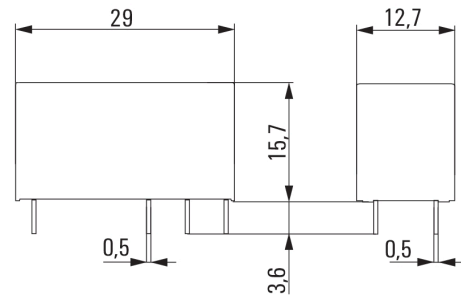


DC load limit curve
 Resistive load

Graph



Electrical service life
 250 V AC resistive load



Data sheet

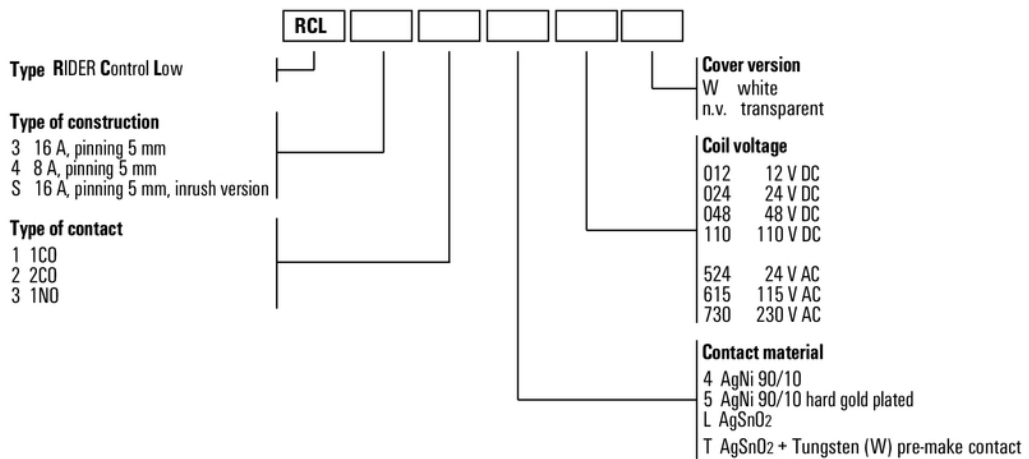
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Drawings

Miscellaneous



Type codes