

TERMSERIES
RCL425005

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image


Similar to illustration

TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

Type	RCL425005
Order No.	1174490000
Version	TERMSERIES, Relay, No. of contacts: 2 CO contact AgNi 5µm Au, Rated control voltage: 5 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4050118049701
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	14.6 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		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Rated control voltage	5 V DC	Rated current DC	80 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	3.5 V / 0.5 V DC
Coil resistance	62 Ω ± 10 %		

Output

Rated switching voltage	250 V AC	Continuous current	8 A
Inrush current	6 A, 15 A / 4 s	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 6 ms	Min. switching power	1 mA @ 1 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

Contact type	2 CO contact (AgNi 5µm Au)	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

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	5 kV _{eff} / 1min	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

Further details of approvals / standards

Standards	IEC 61810-1, UL508
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Data sheet

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Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	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 7.1	27-37-16-01	eClass 8.1	27-37-16-01
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01

Approvals

Approvals



ROHS	Conform
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Downloads

Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

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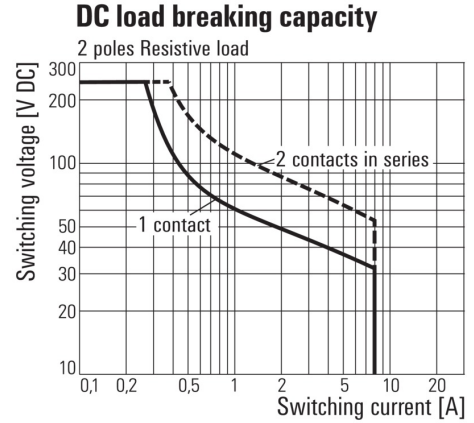
Drawings

Wiring diagram



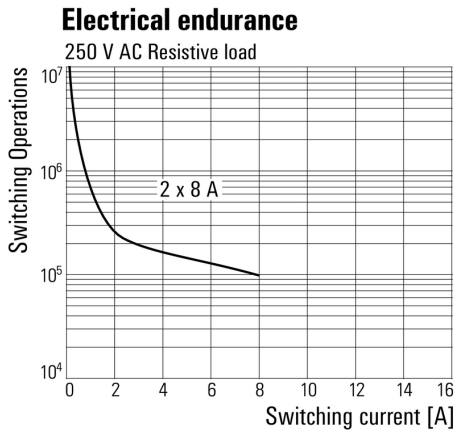
View of Pins from below

Graph



DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load



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Drawings

Miscellaneous



Type codes