

RCL424024T**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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Product image

Similar to illustration

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	1989040000
Type	RCL424024T
GTIN (EAN)	4050118382792
Qty.	20 pc(s).
Alternative product	4058570000

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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	13.3 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C

Rated data UL

Certificate No. (cURus)	E302101
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Control side

Rated control voltage	24 V DC	Power rating	480 mW
Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC	Coil resistance	1440 Ω ± 10 %
Coil tolerance	10 %	Status indicator	No

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	≤ 8 ms	Switch-off delay	≤ 6 ms
Contact type	2 CO contact (AgNi)	Mechanical service life	30 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		

Insulation coordination

Rated voltage	400 V	Pollution severity	3
Surge voltage category	III	Creepage and clearance distance input - output	≥ 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	Impulse withstand voltage	4 kV (1.2/50 μs)
Protection degree	IP40 (in plugged condition)		

Further details of approvals / standards

Standards	IEC 61810-1	Certificate No. (cURus)	E302101
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Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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Creation date March 9, 2023 2:44:47 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Classifications

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E302101

Downloads

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

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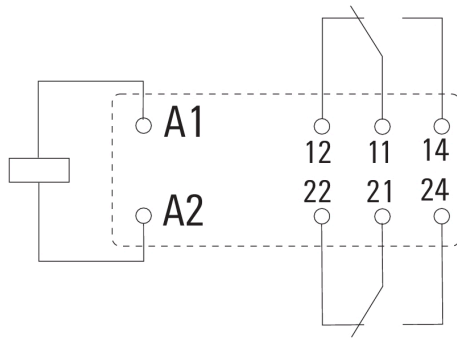
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Drawings**Wiring diagram**

View of Pins from below

