

RCL114024T

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



General ordering data

Version	RIDERSERIES RCL, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 12 A, Plug-in connection
Order No.	1989070000
Type	RCL114024T
GTIN (EAN)	4050118383126
Qty.	20 pc(s).

Creation date March 26, 2021 7:32:15 PM CET

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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 g	Width	12.7 mm
Width (inches)	0.5 inch		

Temperatures

Storage temperature	-40 °C...	Operating temperature	-40 °C...70 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E302101
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Control side

Coil resistance	1440 $\Omega \pm 10\%$	Power rating	480 mW
Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC	Rated control voltage	24 V DC

Load side

AC switching capacity (resistive), max.	3000 VA	Continuous current	12 A
DC switching capacity (resistive), max.	288 W @ 24 V	Inrush current	25 A / 4 s
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	440 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	1 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		

Insulation coordination

Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength of open contact	1 kV _{eff} / 1 min
Dielectric strength, Input/Output	5 kV _{eff} / 1min	Impulse withstand voltage	4 kV (1.2/50 μ s)
Pollution severity	3	Protection degree	IP40 (in plugged condition)
Rated voltage	400 V	Surge voltage category	III

Further details of approvals / standards

Certificate No. (cURus)	E302101
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www.weidmueller.com**Technical data****Connection data**

Wire connection method	Plug-in connection	Pitch in mm (P)	3.5 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	E302101