

**RIDERSERIES
RCL424012**

Weidmüller Interface GmbH & Co. KG
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Standard relay within the RIDERSERIES RCL

- 2 CO contacts
- optionally: AC or DC coils

General ordering data

Type	RCL424012
Order No.	4058560000
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248189274
Qty.	20 pc(s).

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Technische Daten

Dimensions and weights

Width	12.7 mm	Height	29 mm
Depth	15.7 mm	Weight	13 g
Net weight	17 g		

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C		

Input

Coil resistance	360 Ω ± 10 %	Pull-inrop-out current, typ.	
Rated control voltage	12 V DC	Rated current DC	33.3 mA
Power rating	400 mW	Pull-inrop-out voltage, typ.	8.4 V / 1.2 V DC

Output

Rated switching voltage	250 V AC	Continuous current	8 A
Inrush current	15 A / 4 s	Schaltleistung AC (ohmsch), max.	2000 VA @ 250 V
Schaltleistung DC (ohmsch), max.	192 W @ 24 V	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 6 ms	Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching frequency at rated load	0.1 Hz		

Contact data

No. of contacts	2	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 5 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles

General data

Wire connection method	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	13 g	UL 94 flammability rating	V-0

Insulation coordination

Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength input – output	5 kV _{eff}
Dielectric strength, contact contact	2.5 kV _{eff}	Rated voltage	250 V
Protection degree	IP 20	Insulating material group	IIIa
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Relay
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Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (cURus)	E224238
Standards	IEC 61810-1, UL508		

Datenblatt

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Connection data

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

ETIM 3.0	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		

Approvals

Approvals



ROHS Conform

Downloads

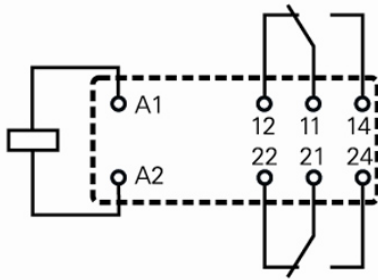
Declaration of Conformity [K295_02_13.pdf](#)

Pinning

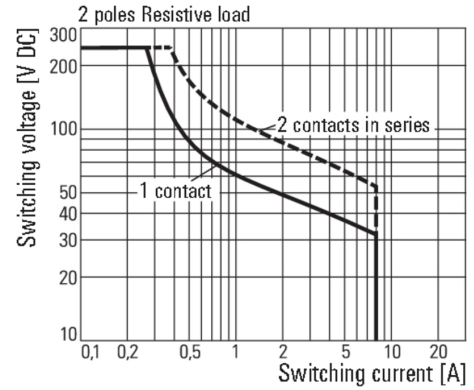
Circuit diagram

View on pins

2 C/O changeover contacts



DC load breaking capacity



Electrical endurance

