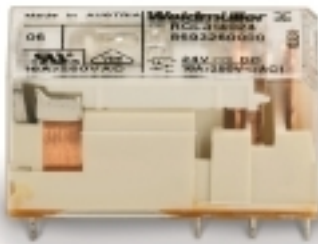


## RIDERSERIES RCL314024

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



Standard relay within the RIDERSERIES RCL

- 1 CO contact
- optionally: AC or DC coils

### General ordering data

Type	RCL314024
Order No.	<a href="#">869326000</a>
Version	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248364718
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	14 g
Net weight	12.8 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	1440 Ω ± 10 %	Pull-in/rop-out current, typ.	
Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/rop-out voltage, typ.	16.8 V / 2.4 V DC

### Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	Inrush current	30 A / 4 s
Schaltleistung AC (ohmsch), max.	4000 VA @ 250 V	Schaltleistung DC (ohmsch), max.	384 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	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 10 x 10 <sup>6</sup> Switching cycles, DC coil 30 x 10 <sup>6</sup> Switching cycles

### General data

Wire connection method	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	14 g	UL 94 flammability rating	V-0

### Insulation coordination

Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength input – output	5 kV <sub>eff</sub>
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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**Technische Daten**

**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](#)

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**Zeichnungen****Electric symbol****Circuit diagram**[View on pins](#)

1 C/O changeover contacts

