

**RIDERSERIES  
RCL424024**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



Weidmüller RIDERSERIES relays guarantee a noise-free, decoupled signal transmission in industrial automation concepts.

They are available in various forms, are quickly installed, are compact, and can be fitted in the smallest of spaces.

- 1 or 2 NO contacts
- 1, 2, 3 or 4 changeover contacts
- optionally available with hard gold-plated contacts

**General ordering data**

Order No.	<a href="#">4058570000</a>
Part designation	RCL424024
Version	RIDERSERIES, Relays, No. of contacts: 2, CO contact, Rated control voltage: 24 V DC, Plug-in connection
GTIN (EAN)	4032248189298
Qty.	20 pc(s).

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**Technical data**

**Dimensions**

Length	29 mm	Width	12.7 mm
Height	15.7 mm	Weight	13 g

**Temperature**

Ambient temperature (operational)	-40 °C...+70 °C	Storage temperature	
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**Probability of failure**

B10	80.000 AC15: 250Vac/2.5A
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**Input**

Coil resistance	1440 Ω ±10%	Rated voltage	250 V
Rated control voltage	24 V DC	Pull-in (sparkover) / drop-out voltage DC coil	16.8 V / 2.4 V
Rated current DC	16.7 mA	Power rating	500 mW
Status indicator	No		

**Output**

Continuous current	8 A	Sparkover time / Drop-out time	7 ms / 2 ms
Switching voltage AC, max.	250 V	max. switching capacity	2000 VA

**Contact data**

Contact design	CO contact	No. of contacts	2
Contact material	AgNi 90/10	Mechanical service life	AC coil 5 x 10 <sup>6</sup> switching operations DC coil 30 x 10 <sup>6</sup> switching cycles

**Rated data**

Conductor connection system	Plug-in connection	DIN Rail compatibility	TS 35
Flammability class UL 94	V-0	Humidity	40°C / 93% rel. humidity, no condensation

**Insulation coordination (EN 50 178)**

Clearance and creepage distances for control/load side	≥ 10 mm	Insulating material group	C
Overvoltage category	III	Pollution severity	3
Protection class	IP 20	Protective separation acc. to VDE 0106 part 101	Yes
Rated voltage	250 V		

**Other technical data**

Free-wheel diode	No	Status indicator	No
Version	Relay		

**Approvals**

Approvals institutes	CURUS; GOSTME25; VDE
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**Datasheet****RIDERSERIES  
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ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01

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**Drawings****Pinning**

**Circuit diagram**  
View of connections  
Dimensions in mm

2 C/O changeover contacts

