

**RIDERSERIES
RCL425024**

Weidmüller Interface GmbH & Co. KG
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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. | 4058580000 |
| Part designation | RCL425024 |
| Version | RIDERSERIES, Relays, No. of contacts: 2, CO contact, Rated control voltage: 24 V DC, Plug-in connection |
| GTIN (EAN) | 4032248269129 |
| Qty. | 1 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 | |
|-----------------------------------|-----------------|---------------------|--|

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 5µm Au | Mechanical service life | AC coil 5 x 10 ⁶ switching operations DC coil 30 x 10 ⁶ 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 |
|----------------------|----------------------|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |