

## RIDERSERIES RCL425024

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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.        | <a href="#">4058580000</a>                                                                              |
| 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 $\Omega \pm 10\%$ | 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 5 $\mu$ m Au | 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 | $\geq 10$ 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 |