

## CRM20524

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



Similar to illustration

### Individual relays within the CUBESERIES CRM

- Control voltages from 12 - 110 V DC and 24 - 230V AC
- 2 CO contact (12 A)
- Without test button with coloured blind plugs (AC coil: orange, DC coil: blue)
- With test button Individual relays within the CUBESERIES CRM
- Control voltages from 12 - 110 V DC and 24 - 230V AC
- 2 CO contact (12 A)
- With test buttons with colour coding (AC coil: orange, DC coil: blue)
- With mechanical status indicator

### General ordering data

|            |                                                                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | CUBESERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 12 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">3052760000</a>                                                                                                                                         |
| Type       | CRM20524                                                                                                                                                           |
| GTIN (EAN) | 4099987022569                                                                                                                                                      |
| Qty.       | 10 items                                                                                                                                                           |

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E223474

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 35.5 mm | Depth (inches)  | 1.3976 inch |
| Height     | 27.4 mm | Height (inches) | 1.0787 inch |
| Width      | 21 mm   | Width (inches)  | 0.8268 inch |
| Net weight | 30 g    |                 |             |

## Temperatures

|                       |                |                     |                                                |
|-----------------------|----------------|---------------------|------------------------------------------------|
| Storage temperature   | -40 °C...85 °C | Ambient temperature | -40 °C...55 °C                                 |
| Operating temperature |                | Humidity            | 25 °C / 95 % rel. humidity,<br>no condensation |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E223474 |
|-------------------------|---------|

## Control side

|                       |         |                  |              |
|-----------------------|---------|------------------|--------------|
| Rated control voltage | 24 V AC | Rated current AC | 69 mA        |
| Power rating          | 1.63 VA | Coil resistance  | 158 Ω ± 10 % |
| Status indicator      | No      |                  |              |

## Load side

|                                         |                                      |                                         |                            |
|-----------------------------------------|--------------------------------------|-----------------------------------------|----------------------------|
| Rated switching voltage                 | 250 V AC                             | Continuous current                      | 12 A                       |
| Max. switching frequency at rated load  | 0.1 Hz                               | Max. switching voltage, AC              | 250 V                      |
| Max. switching voltage, DC              | 250 V                                | AC switching capacity (resistive), max. | 3000 VA                    |
| DC switching capacity (resistive), max. | 288 W @ 24 V                         | Switch-on delay                         | ≤ 20 ms                    |
| Switch-off delay                        | ≤ 12 ms                              | Contact type                            | 2 CO contact (AgNi)        |
| Mechanical service life                 | 2 x 10 <sup>7</sup> switching cycles | Min. switching power                    | 10 mA @ 12 V, 100 mA @ 5 V |

## General data

|                                      |                           |                       |             |
|--------------------------------------|---------------------------|-----------------------|-------------|
| Operating altitude                   | ≤ 2000 m, above sea level | Test button available | No          |
| Mechanical switch position indicator | Yes                       | Colour                | Transparent |
| UL 94 flammability rating            | V-2                       |                       |             |

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## Technical data

### Insulation coordination

|                                              |                  |                                                  |                   |
|----------------------------------------------|------------------|--------------------------------------------------|-------------------|
| Rated voltage                                | 250 V            | Pollution severity                               | 3                 |
| Surge voltage category                       | III              | Dielectric strength for control side - load side | 2.5 kVeff/ 1 min  |
| Dielectric strength of neighbouring contacts | 2.5 kVeff/ 1 min | Dielectric strength of open contact              | 1.5 kVeff /1 min. |
| Impulse withstand voltage                    | 4 kV (1.2/50 µs) | Protection degree                                | IP40              |

### Further details of approvals / standards

|                         |                 |                       |          |
|-------------------------|-----------------|-----------------------|----------|
| Certificate No. (CSA)   | 607178-80219312 | Certificate No. (VDE) | 40059812 |
| Certificate No. (cURus) | E223474         |                       |          |

### Connection data

|                        |                    |                 |         |
|------------------------|--------------------|-----------------|---------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00 mm |
|------------------------|--------------------|-----------------|---------|

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

Connection diagram



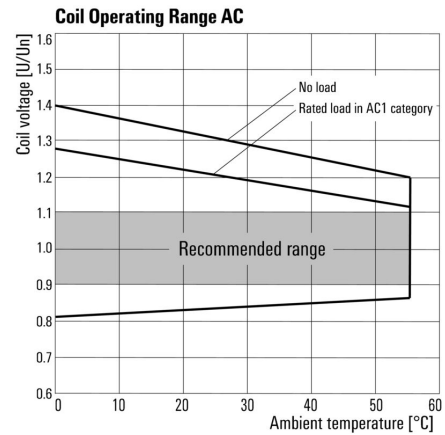
Graph



Graph



Graph



Dimensional drawing



Miscellaneous

**Type code CUBESERIES relay versions**



Type codes