

**CRI10024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Similar to illustration

**General ordering data**

|            |                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | CUBESERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 24 V DC +10 % / -20 %, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">3052290000</a>                                                                                                                                                       |
| Type       | CRI10024                                                                                                                                                                         |
| GTIN (EAN) | 4099987022125                                                                                                                                                                    |
| Qty.       | 10 pc(s).                                                                                                                                                                        |

Creation date April 30, 2025 11:18:36 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 15.7 mm | Depth (inches)  | 0.618 inch |
| Height     | 29 mm   | Height (inches) | 1.142 inch |
| Width      | 12.7 mm | Width (inches)  | 0.5 inch   |
| Net weight | 14 g    |                 |            |

**Temperatures**

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -20 °C...70 °C |
|---------------------|----------------|-----------------------|----------------|

**Rated data UL**

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

**Control side**

|                       |                       |                  |               |
|-----------------------|-----------------------|------------------|---------------|
| Rated control voltage | 24 V DC +10 % / -20 % | Rated current DC | 16.7 mA       |
| Power rating          | 400 mW                | Coil resistance  | 1440 Ω ± 10 % |
| Status indicator      | No                    |                  |               |

**Load side**

|                                         |                                      |                                         |                            |
|-----------------------------------------|--------------------------------------|-----------------------------------------|----------------------------|
| Rated switching voltage                 | 250 V AC                             | Continuous current                      | 16 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. | 4000 VA                    |
| DC switching capacity (resistive), max. | 384 W @ 24 V                         | Switch-on delay                         | ≤ 12 ms                    |
| Switch-off delay                        | ≤ 6 ms                               | Contact type                            | 1 CO contact (AgNi)        |
| Mechanical service life                 | 3 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 | No                        | Colour                | blue |
| UL 94 flammability rating            | V-2                       |                       |      |

**Insulation coordination**

|                                                  |                             |                                                               |                             |
|--------------------------------------------------|-----------------------------|---------------------------------------------------------------|-----------------------------|
| Rated voltage                                    | 250 V                       | Pollution severity                                            | 3                           |
| Surge voltage category                           | III                         | Clearance and creepage distances for control side - load side | ≥ 10 mm                     |
| Dielectric strength for control side - load side | 5 kV <sub>eff</sub> / 1 min | Dielectric strength of open contact                           | 1 kV <sub>eff</sub> / 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. (cURus) | E223474 |
|-----------------------|-----------------|-------------------------|---------|

**Connection data**

|                        |                    |                 |      |
|------------------------|--------------------|-----------------|------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5 mm |
|------------------------|--------------------|-----------------|------|

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | ECLASS 9.0  | 27-37-16-01 |
| ECLASS 9.1  | 27-37-16-01 | ECLASS 10.0 | 27-37-16-01 |
| ECLASS 11.0 | 27-37-16-01 | ECLASS 12.0 | 27-37-16-01 |
| ECLASS 13.0 | 27-37-16-01 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                     |
| UL File Number Search   | UL Website                                                                                                                                                                  |
| Certificate No. (cURus) | E223474                                                                                                                                                                     |

## Downloads

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |

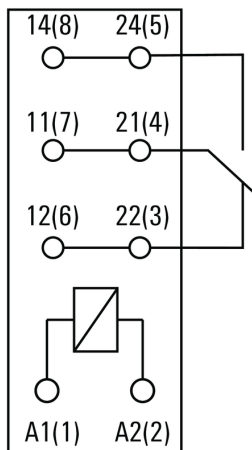
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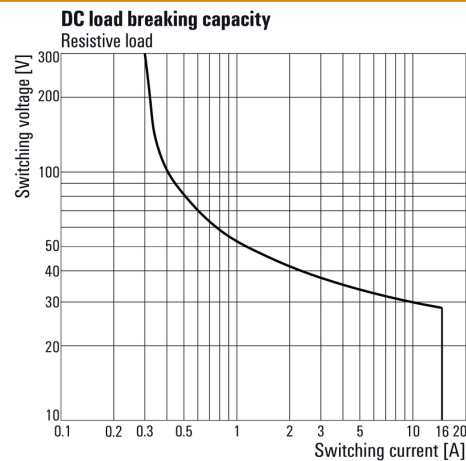
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

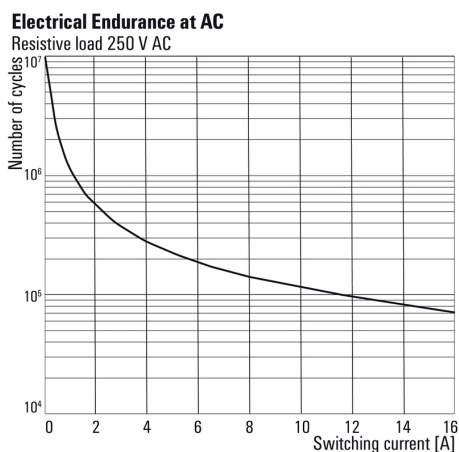
### Connection diagram



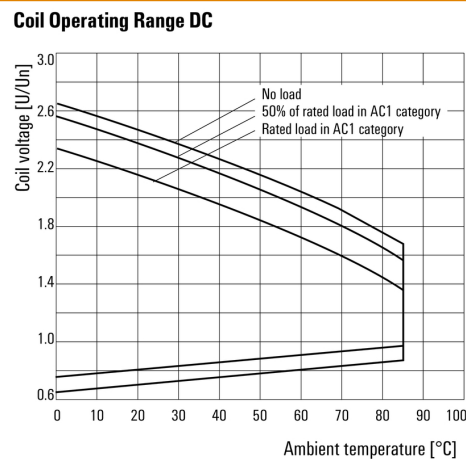
### Graph



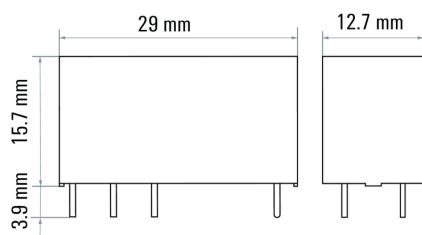
### Graph



### Graph



### Dimensional drawing

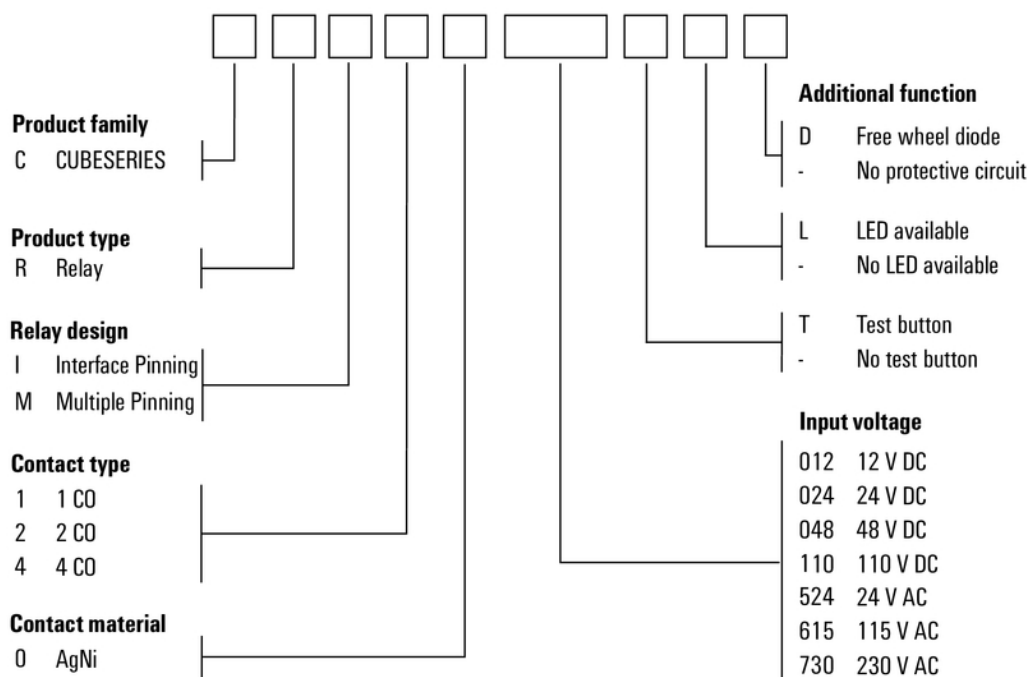


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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous****Type code CUBESERIES relay versions**

Type codes