

**CRI10730****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: 230 V AC +10 % / -20 %, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">3052340000</a>                                                                                                                                                        |
| Type       | CRI10730                                                                                                                                                                          |
| GTIN (EAN) | 4099987022170                                                                                                                                                                     |
| Qty.       | 10 pc(s).                                                                                                                                                                         |

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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 | 230 V AC +10 % / -20 % | Rated current AC | 3,3 mA         |
| Power rating          | 0.75 VA                | Coil resistance  | 38500 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                        | ≤ 20 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                | orange |
| 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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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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



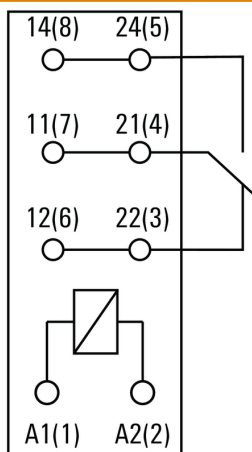
|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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**

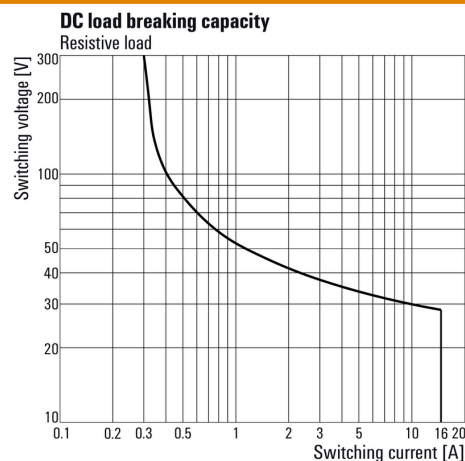
|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |

## Drawings

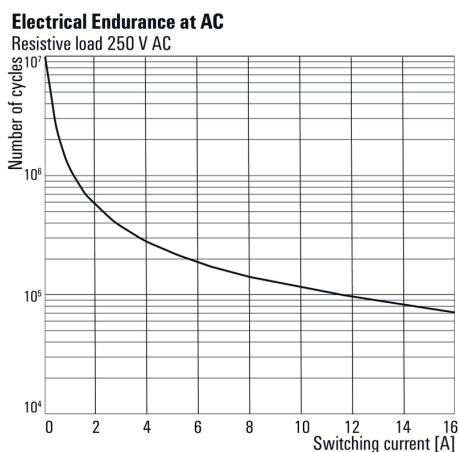
### Connection diagram



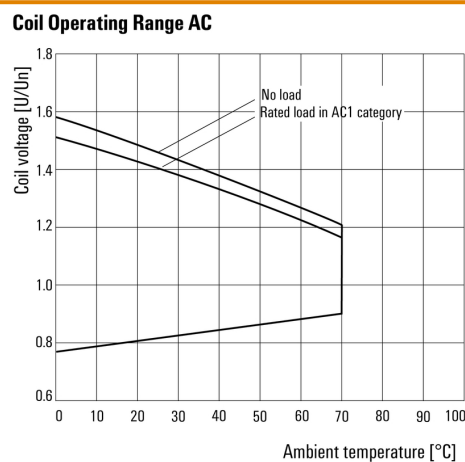
### Graph



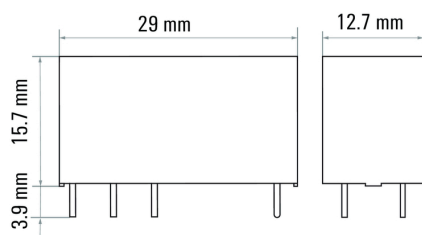
### Graph



### Graph



### Dimensional drawing



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## Accessories

## Retaining clips



Retaining clips for CUBESERIES CRI relays.

Plastic retaining clip:

- With relay ejector function
- Marking slots for MultiFit markers
- Fits on relays with and without test button

Metal retaining clip:

- For a strong hold of the relay in the socket
- Individual versions for relays with and without test button

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | CXI CLIP P                 | Version                    |
| Order No.  | <a href="#">3052710000</a> | CUBESERIES, Retaining clip |
| GTIN (EAN) | 4099987022514              |                            |
| Qty.       | 10 pc(s).                  |                            |
| Type       | CXI CLIP LM                | Version                    |
| Order No.  | <a href="#">3052630000</a> | CUBESERIES, Retaining clip |
| GTIN (EAN) | 4099987022453              |                            |
| Qty.       | 25 pc(s).                  |                            |

## LED



## General ordering data

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| Type       | CXX L 63G                  | Version                                                        |
| Order No.  | <a href="#">3053460000</a> | CUBESERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4099987023245              | Plug-in connection                                             |
| Qty.       | 20 pc(s).                  |                                                                |
| Type       | CXX L 63R                  | Version                                                        |
| Order No.  | <a href="#">3053450000</a> | CUBESERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4099987023238              | Plug-in connection                                             |
| Qty.       | 20 pc(s).                  |                                                                |

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## Accessories

## Relay sockets



Relay sockets for the CUBESERIES CRI relays

- 2 CO output version for 1 CO and 2 CO relays
- Screw and PUSH IN connection
- PUSH IN sockets with wide pushers for screwdrivers up to 1.0 x 5.5 mm blade size
- Various cross connection possibilities
- Matching accessories such as cross-connections, retaining clips and LED modules

## General ordering data

|            |                            |                                                              |
|------------|----------------------------|--------------------------------------------------------------|
| Type       | CSI S 2CO                  | Version                                                      |
| Order No.  | <a href="#">3052590000</a> | CUBESERIES, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4099987022422              | Continuous current: 8 A, Screw connection                    |
| Qty.       | 10 pc(s).                  |                                                              |
| Type       | CSI P 2CO                  | Version                                                      |
| Order No.  | <a href="#">3052570000</a> | CUBESERIES, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4099987022408              | Continuous current: 8 A, PUSH IN                             |
| Qty.       | 20 pc(s).                  |                                                              |

## Cross-connections



## General ordering data

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | CXX JMP 2P RD              | Version                     |
| Order No.  | <a href="#">3053250000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987023078              |                             |
| Qty.       | 30 pc(s).                  |                             |
| Type       | CXX JMP 2P BL              | Version                     |
| Order No.  | <a href="#">3053260000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987023085              |                             |
| Qty.       | 30 pc(s).                  |                             |

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## Accessories

## Protection modules



## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | CXX RC 53                  | Version                                                             |
| Order No.  | <a href="#">3053400000</a> | CUBESERIES, RC element, Rated control voltage: 110...230 V AC,      |
| GTIN (EAN) | 4099987023184              | Plug-in connection                                                  |
| Qty.       | 20 pc(s).                  |                                                                     |
| Type       | CXX V 73                   | Version                                                             |
| Order No.  | <a href="#">3053490000</a> | CUBESERIES, Protective varistor, Rated control voltage: 220...240 V |
| GTIN (EAN) | 4099987023276              | AC, Plug-in connection                                              |
| Qty.       | 20 pc(s).                  |                                                                     |

## Cross-connections



Cross-connection for the sockets in the CUBESERIES CRI.

- Versions with red and blue coloured plastic for potential coding

Versions for PUSH IN sockets:

- 8-pin cross connection for A1 and A2 of the coil
- 2-pin jumper to connect to the neighbored sockets
- 2-pin jumper to connect the output channels within one socket

Version for screw sockets:

- 8-pin cross connection to connect to the neighbored sockets

## General ordering data

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | CXI CCS 8P GY              | Version                     |
| Order No.  | <a href="#">3052620000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987022446              |                             |
| Qty.       | 2 pc(s).                   |                             |
| Type       | CXI CCP 2P BL              | Version                     |
| Order No.  | <a href="#">3052660000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987022484              |                             |
| Qty.       | 20 pc(s).                  |                             |
| Type       | CXI CCP 8P RD              | Version                     |
| Order No.  | <a href="#">3052690000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987022491              |                             |
| Qty.       | 10 pc(s).                  |                             |

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

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | CXI CCP 2P RD              | Version                     |
| Order No.  | <a href="#">3052650000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987022477              |                             |
| Qty.       | 20 pc(s).                  |                             |
| Type       | CXI CCP 8P BL              | Version                     |
| Order No.  | <a href="#">3052700000</a> | CUBESERIES, Cross-connector |
| GTIN (EAN) | 4099987022507              |                             |
| Qty.       | 10 pc(s).                  |                             |

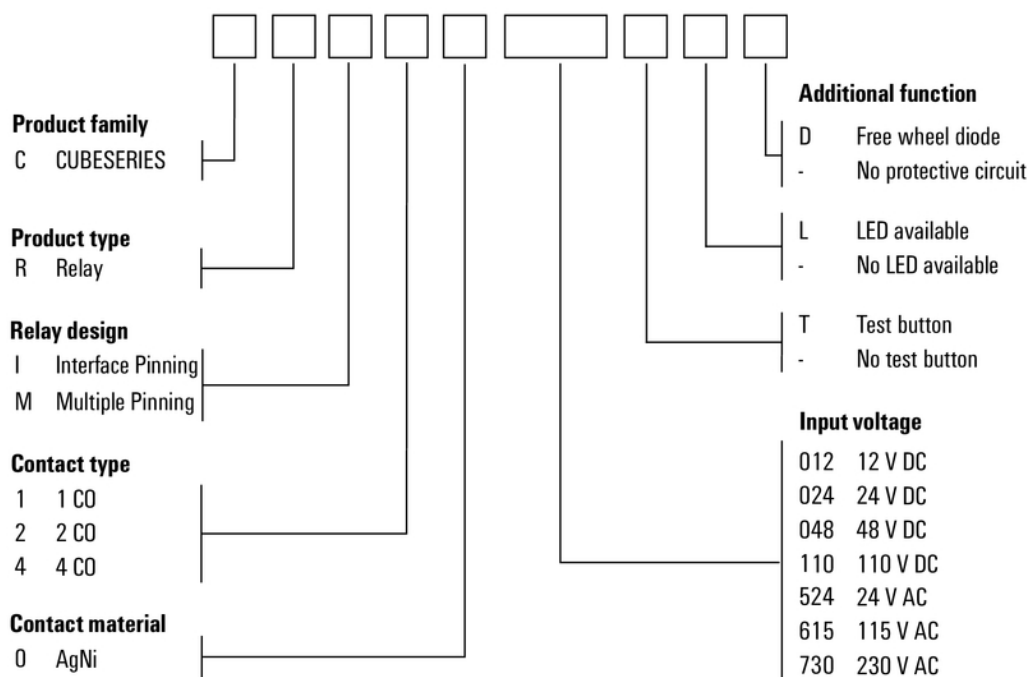


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Type codes