

**CRI10730****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Individual relays within the CUBESERIES CRI

- Control voltages from 12 - 110 V DC and 24 - 230V AC
- 1 CO contact (16 A)
- Without test button with coloured blind plugs ( AC coil: orange, DC coil: blue )

**General ordering data**

Version	CUBESERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	<a href="#">3052340000</a>
Type	CRI10730
GTIN (EAN)	4099987022170
Qty.	10 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E223474

### Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.6181 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	14 g		

### Temperatures

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

### Environmental Product Compliance

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

### Rated data UL

Certificate No. (cURus)	E223474
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### Control side

Rated control voltage	230 V AC	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	Inrush current	24 A / 20 ms
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		

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### 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 kVeff / 1min	Dielectric strength of open contact	1 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. (cURus)	E223474
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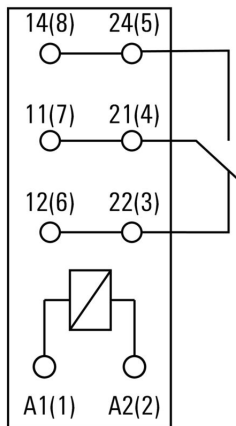
### Connection data

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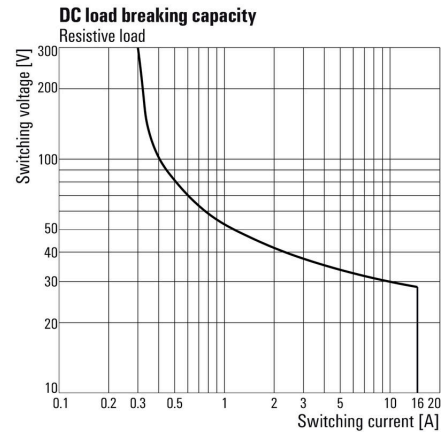
### Classifications

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



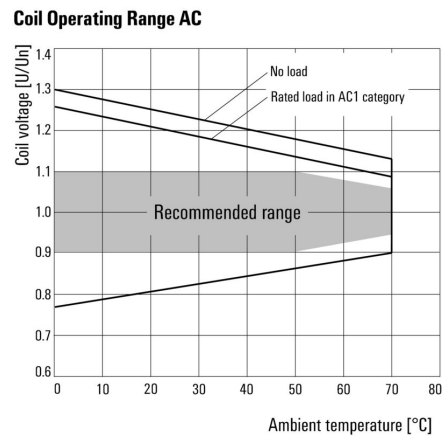
Graph



Graph



Graph



Dimensional drawing



Miscellaneous

**Type code CUBESERIES relay versions**



Type codes

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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 ST		

### 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 ST		
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 ST		

### Protection modules



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## Accessories

## General ordering data

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 ST		

## 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 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 ST		
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 ST		

## 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 CCP 2P BL	Version	
Order No.	<a href="#">3052660000</a>	CUBESERIES, Cross-connector	
GTIN (EAN)	4099987022484		
Qty.	20 ST		
Type	CXI CCP 2P RD	Version	
Order No.	<a href="#">3052650000</a>	CUBESERIES, Cross-connector	
GTIN (EAN)	4099987022477		
Qty.	20 ST		

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## Accessories

Type	CXI CCP 8P BL	Version
Order No.	<a href="#">3052700000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022507	
Qty.	10 ST	
Type	CXI CCP 8P RD	Version
Order No.	<a href="#">3052690000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022491	
Qty.	10 ST	
Type	CXI CCS 8P GY	Version
Order No.	<a href="#">3052620000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022446	
Qty.	2 ST	

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

## Cross-connections



## General ordering data

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

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## Accessories

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

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## Counterpart

### Relay sockets



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- Various cross connection possibilities
- Matching accessories such as cross-connections, retaining clips and LED modules

### General ordering data

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 ST		
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 ST		