

## CRM40110

**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
- 4 CO contact (7 A)
- Without test button with coloured blind plugs (AC coil: orange, DC coil: blue)

### General ordering data

Version	CUBESERIES, Relay, Number of contacts: 4, CO contact AgNi, Rated control voltage: 110 V DC, Continuous current: 7 A, Plug-in connection, Test button available: No
Order No.	<a href="#">3052960000</a>
Type	CRM40110
GTIN (EAN)	409998702278 1
Qty.	10 items

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## 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	32 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature		Humidity	25 °C / 95 % rel. humidity, 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
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## Control side

Rated control voltage	110 V DC	Rated current DC	8.3 mA
Power rating	0.9 W	Coil resistance	13600 Ω ± 10 %
Status indicator	No		

## Load side

Rated switching voltage	250 V AC	Continuous current	7 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	16 A / 20 ms	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	168 W @ 24 V	Switch-on delay	≤ 20 ms
Switch-off delay	≤ 9 ms	Contact type	4 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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### Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	II	Dielectric strength for control side - load side	2.5 kVeff / 1 Min.
Dielectric strength of neighbouring contacts	2 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

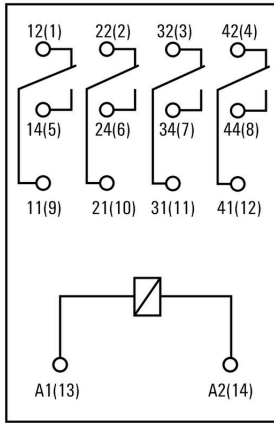
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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### Classifications

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		

Drawings

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 D 21N	Version	
Order No.	<a href="#">3053270000</a>	CUBESERIES, Free-wheeling diode, Rated control voltage: 6...230 V	
GTIN (EAN)	4099987023092	DC, Plug-in connection	
Qty.	20 ST		

## LED and free-wheeling diode



## General ordering data

Type	CXX LD 43G	Version	
Order No.	<a href="#">3053360000</a>	CUBESERIES, LED module with freewheel diode, Rated control voltage: 110...230 V DC, Plug-in connection	
GTIN (EAN)	4099987023153		
Qty.	20 ST		

## LED and free-wheel diode



## General ordering data

Type	CXX LD 43R	Version	
Order No.	<a href="#">3053350000</a>	CUBESERIES, LED module with freewheel diode, Rated control voltage: 110...230 V DC, Plug-in connection	
GTIN (EAN)	4099987023146		
Qty.	20 ST		

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## Accessories

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## 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		

## Relay sockets



Relay sockets for the CUBESERIES CRM relays

- 4 CO output version for 2 CO and 4 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	CSM P 4CO	Version	
Order No.	<a href="#">3053140000</a>	CUBESERIES, Relay socket, Number of contacts: 4, CO contact,	
GTIN (EAN)	4099987022965	Continuous current: 8 A, PUSH IN	
Qty.	10 ST		
Type	CSM S 4CO	Version	
Order No.	<a href="#">3053160000</a>	CUBESERIES, Relay socket, Number of contacts: 4, CO contact,	
GTIN (EAN)	4099987022989	Continuous current: 6 A, Screw connection	
Qty.	10 ST		

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## Accessories

## Cross-connections



## General ordering data

Type	CXM CCP 2P BL	Version
Order No.	<a href="#">3053230000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023054	
Qty.	20 ST	
Type	CXM CCP 2P RD	Version
Order No.	<a href="#">3053220000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023047	
Qty.	20 ST	
Type	CXM CCP 8P BL	Version
Order No.	<a href="#">3053210000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023030	
Qty.	10 ST	
Type	CXM CCP 8P RD	Version
Order No.	<a href="#">3053200000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023023	
Qty.	10 ST	
Type	CXM CCS 6P GY	Version
Order No.	<a href="#">3053180000</a>	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023009	
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

## General ordering data

Type	CXM CLIP P	Version
Order No.	<a href="#">3053240000</a>	CUBESERIES, Retaining clip
GTIN (EAN)	4099987023061	
Qty.	10 ST	

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**Accessories**

Type	CXM CLIP M	Version	
Order No.	<a href="#">3053190000</a>	CUBESERIES, Retaining clip	
GTIN (EAN)	4099987023016		
Qty.	25 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		
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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### General ordering data

Type	CSM P 4CO	Version	
Order No.	<a href="#">3053140000</a>		CUBESERIES, Relay socket, Number of contacts: 4, CO contact,
GTIN (EAN)	4099987022965		Continuous current: 8 A, PUSH IN
Qty.	10 ST		
Type	CSM S 4CO	Version	
Order No.	<a href="#">3053160000</a>		CUBESERIES, Relay socket, Number of contacts: 4, CO contact,
GTIN (EAN)	4099987022989		Continuous current: 6 A, Screw connection
Qty.	10 ST		