

CRI20524**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

General ordering data

Version	CUBESERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC +10 % / -20 %, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	3052460000
Type	CRI20524
GTIN (EAN)	4099987022309
Qty.	10 pc(s).

CRI20524

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 AC +10 % / -20 %	Rated current AC	31.3 mA
Power rating	0.75 VA	Coil resistance	400 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	8 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.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	≤ 12 ms
Switch-off delay	≤ 20 ms	Contact type	2 CO contact (AgNi)
Mechanical service life	3 x 10 ⁷ 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 _{eff} / 1 min	Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1 kV _{eff} / 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
------------------------	--------------------	-----------------	------

CRI20524

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E223474

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

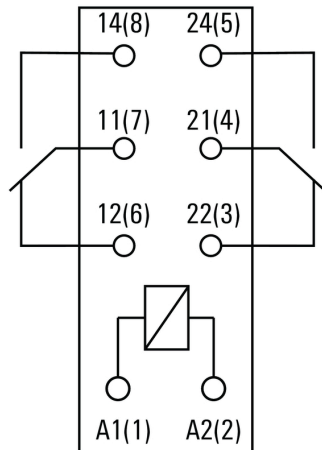
CRI20524

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

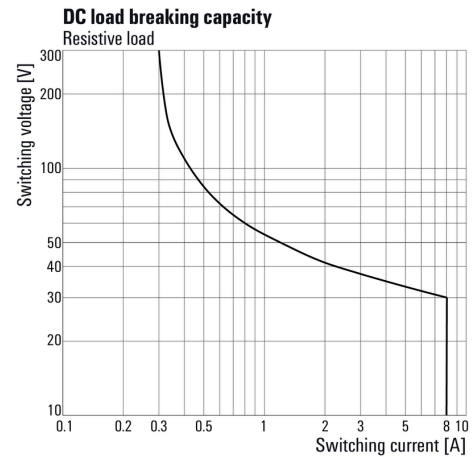
www.weidmueller.com

Drawings

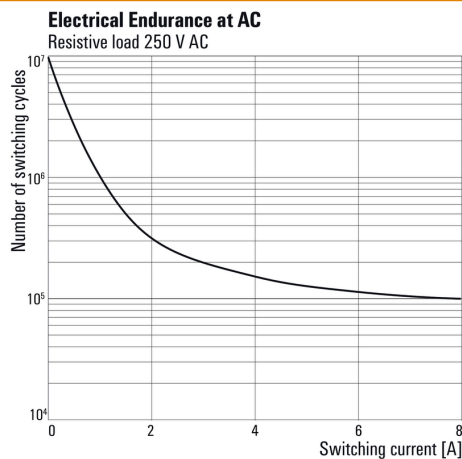
Connection diagram



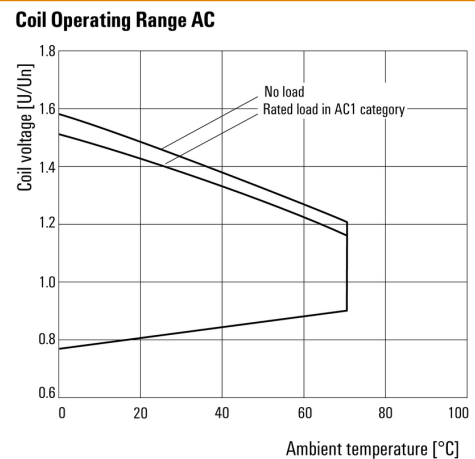
Graph



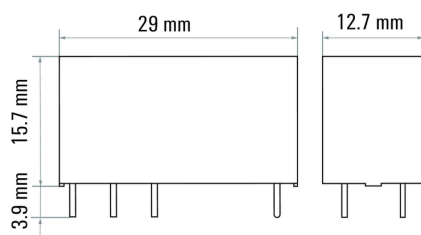
Graph



Graph



Dimensional drawing



CRI20524

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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.	3052710000	CUBESERIES, Retaining clip
GTIN (EAN)	4099987022514	
Qty.	10 pc(s).	
Type	CXI CLIP LM	Version
Order No.	3052630000	CUBESERIES, Retaining clip
GTIN (EAN)	4099987022453	
Qty.	25 pc(s).	

LED



General ordering data

Type	CXX L 62G	Version
Order No.	3053440000	CUBESERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection
GTIN (EAN)	4099987023221	
Qty.	20 pc(s).	
Type	CXX L 61R	Version
Order No.	3053410000	CUBESERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4099987023191	
Qty.	20 pc(s).	
Type	CXX L 62R	Version
Order No.	3053430000	CUBESERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection
GTIN (EAN)	4099987023214	
Qty.	20 pc(s).	
Type	CXX L 61G	Version
Order No.	3053420000	CUBESERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4099987023207	
Qty.	20 pc(s).	

CRI20524

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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.	3052590000	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.	3052570000	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.	3053250000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023078	
Qty.	30 pc(s).	
Type	CXX JMP 2P BL	Version
Order No.	3053260000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023085	
Qty.	30 pc(s).	

CRI20524

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Protection modules



General ordering data

Type	CXX RC 51	Version
Order No.	3053370000	CUBESERIES, RC element, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4099987023160	
Qty.	20 pc(s).	
Type	CXX V 72	Version
Order No.	3053480000	CUBESERIES, Protective varistor, Rated control voltage: 110...130 V AC, Plug-in connection
GTIN (EAN)	4099987023269	
Qty.	20 pc(s).	
Type	CXX RC 52	Version
Order No.	3053390000	CUBESERIES, RC element, Rated control voltage: 24...60 V UC, Plug-in connection
GTIN (EAN)	4099987023177	
Qty.	20 pc(s).	
Type	CXX V 71	Version
Order No.	3053470000	CUBESERIES, Protective varistor, Rated control voltage: 6...24 V AC, Plug-in connection
GTIN (EAN)	4099987023252	
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.	3052620000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022446	
Qty.	2 pc(s).	

CRI20524**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories**

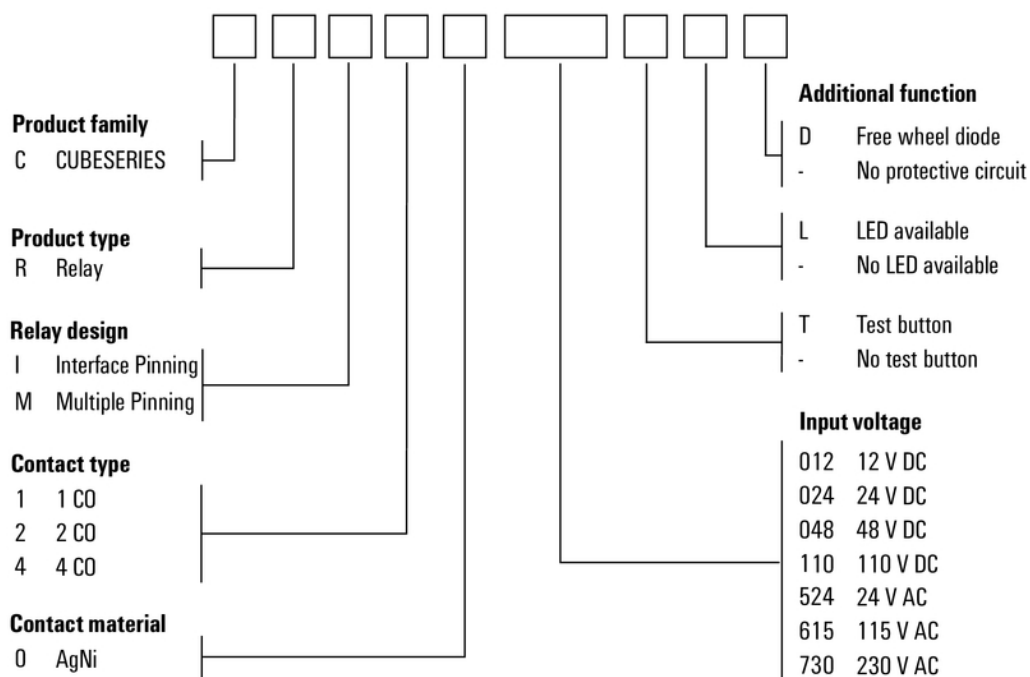
Type	CXI CCP 2P BL	Version
Order No.	3052660000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022484	
Qty.	20 pc(s).	
Type	CXI CCP 8P RD	Version
Order No.	3052690000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022491	
Qty.	10 pc(s).	
Type	CXI CCP 2P RD	Version
Order No.	3052650000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022477	
Qty.	20 pc(s).	
Type	CXI CCP 8P BL	Version
Order No.	3052700000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022507	
Qty.	10 pc(s).	

CRI20524**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Drawings****Miscellaneous****Type code CUBESERIES relay versions**

Type codes