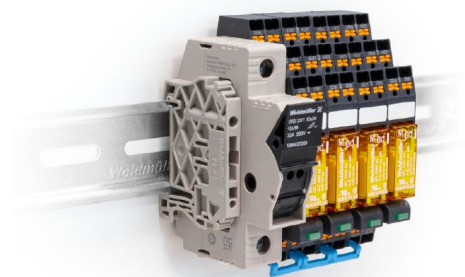


14A CUBESERIES**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Implementation of the requirements of § 14a EnWG

For controllable consumption devices, the control in accordance with the FNN pulse for the relay assignment of § 14a EnWG systems:

- two relays according to "FNN-2bit" coding by direct control (on/off/dimming to minimum power)
- via two relays according to "FNN-2bit" coding using an EMS (on/off/dimming to minimum power)
- Single contact control with the functions On/Off

General ordering data

Version	CUBESERIES, Number of contacts: 4, CO contact AgNi, Rated control voltage: 230 V AC, Continuous current: 16 A, PUSH IN, Screw connection, Test button available: No
Order No.	8000172985
Type	14A CUBESERIES
Qty.	

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Technical data

Dimensions and weights

Depth	65.6 mm	Depth (inches)	2.5827 inch
Height	96.9 mm	Height (inches)	3.815 inch
Width	93.4 mm	Width (inches)	3.6772 inch

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Operating temperature		Humidity	5-85% relative humidity, Tu = 40°C, without condensation

Control side

Rated control voltage	230 V AC	Status indicator	Green LED
Input frequency	45 - 65 Hz	Coil voltage of the replacement relay deviating from the rated control voltage	No
Coil voltage of the replacement relay	230 V AC		

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching voltage, AC	250 V	Max. switching voltage, DC	250 V
Inrush current	24 A / 20 ms	AC switching capacity (resistive), max.	4000
Switch-on delay	≤ 12 ms	Switch-off delay	≤ 20 ms
Contact type	4 CO contact (AgNi)	Mechanical service life	3 x 10 ⁷ switching cycles
Min. switching power	100 mA @ 5 V, 10 mA @ 12 V		

General data

Operating altitude	≤ 2000 m, above sea level		
Mounting rail	TS 35		
Test button available	No		
Mechanical switch position indicator	No		
Colour	black		
UL94 flammability rating component	Component	Fuse holder	
	UL94 flammability rating	V-0	
	Component	Socket	
	UL94 flammability rating	V-0	
	Component	Relay cover	
	UL94 flammability rating	V-2	

Insulation coordination

Rated voltage	300 V	Surge voltage category	II
Dielectric strength for control side - load side	5 kVeff / 1 min	Dielectric strength of neighbouring contacts	3 kVeff / 1 Min.
Dielectric strength of open contact	1 kVeff / 1 min	Dielectric strength to mounting rail	4 kVeff / 1 Min.
Protection degree	IP20		

Connection data

Wire connection method	PUSH IN, Screw connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²

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Technical data

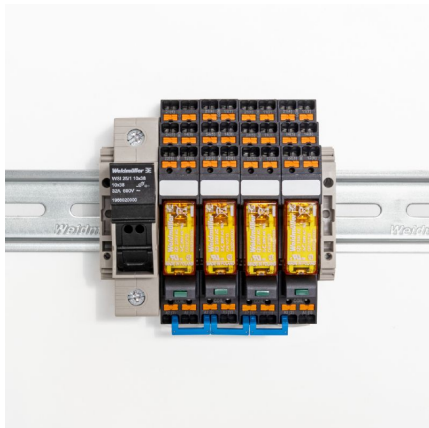
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 4	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire cross-section, solid, min. (AWG)	AWG 20
Wire cross-section, solid, max. (AWG)	AWG 16	Wire connection cross section, finely stranded, min.	0.14 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Blade size	0.6 x 3.5 mm

Classifications

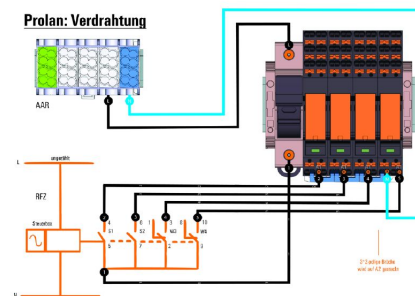
ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 10.0	27-37-16-01
ECLASS 11.0	27-37-16-01	ECLASS 12.0	27-37-16-01
ECLASS 13.0	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

Drawings

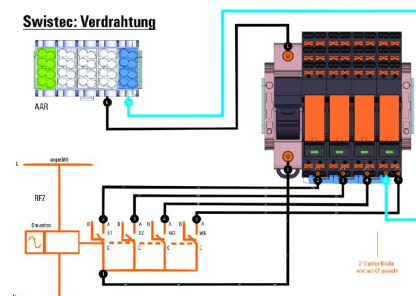
Product image



Wiring



Wiring



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Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version
Order No.	2749810000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118897012	thickness (A): 0.6 mm
Qty.	1 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.	3052660000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022484	
Qty.	20 ST	
Type	CXI CCP 2P RD	Version
Order No.	3052650000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022477	
Qty.	20 ST	
Type	CXI CCP 8P BL	Version
Order No.	3052700000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022507	
Qty.	10 ST	
Type	CXI CCP 8P RD	Version
Order No.	3052690000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022491	
Qty.	10 ST	

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